

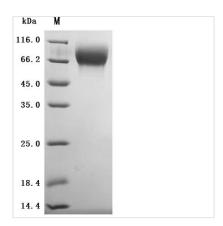




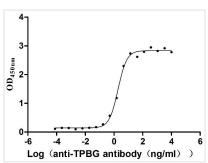
# Recombinant Macaca fascicularis Trophoblast glycoprotein (TPBG), partial (Active)

| Product Code         CSB-MP024093MOV           Storage         The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.           Uniprot No.         Q4R8Y9           Form         Lyophilized powder           Storage Buffer         Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0           Product Type         Recombinant Protein           Immunogen Species         Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)           Biological Activity         Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TPBG at 2 μg/mL can bind Anti-TPBG recombinant antibody (CSB-RA024093MA1HU), the EC50 is 1.672-2.181 ng/mL.           Purity         Greater than 95% as determined by SDS-PAGE.           Sequence         Sequence           Sequence         TSSASSSSSAPFLASAASAQPPLPDOCPALECESEAARTVKCVNRNLTEVPT DLPLYVNLFLTGNOLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQEHLLAELASNHELYLPRDVLAQLPSLRYDLDSNNSLVSLTYVSFRNLTHLESLHLELASNHELYLPRDVLAQLPSLRYDLDSNNSLVSLTYVSFRNLTHLESLHLELASNHELYLPRDVLAQLPSLRYDLDSNNSLVSLTYVSFRNLTHLESLHLELASNHELYLPRDVLAQLPSLRYDLDSNNSLVSLTYVSFRNLTHLESLHLELASNHELYLPROLDARPHAVPLDRAPHVVCDCH MADMYTWLKQTGVVQGKDRLTCAFPEKMRNVLLELNSADLDCDPILPPSLQ TS           Lead Time         Basically, we can d   |                            |  |
|--|----------------------------|--|
| storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.  Uniprot No. Q4R8Y9  Form Lyophilized powder  Storage Buffer Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0  Product Type Recombinant Protein  Immunogen Species Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)  Biological Activity Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TPBG at 2 μg/mL can bind Anti-TPBG recombinant antibody (CSB-RA024093MA1HU), the EC50 is 1.672-2.181 ng/mL.  Purity Greater than 95% as determined by SDS-PAGE.  Sequence SaysssssapFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT DLPLYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQGLHLLELASNHFLYLPRDVLAQLSLRYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNPWVCDCH MADMVTWLKQTGVVQGKDRLTCAFPEKMRNRVLLELNSADLDCDPILPPSLQ TS  Lead Time Basically, we can dispatch the products out in 3-7 working days after receiving your orders. Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.  Research Area Cancer  Source Mammalian cell  Gene Names TPBG  Expression Region 35-355aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal 10xHis-tagged and C-terminal Myc-tagged  Mol. Weight 39.9 kDa  Protein Description Partial | <b>Product Code</b>        | CSB-MP024093MOV  |
| Form         Lyophilized powder           Storage Buffer         Lyophilized from a 0.2 μm filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0           Product Type         Recombinant Protein           Immunogen Species         Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)           Biological Activity         Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TPBG at 2 μg/mL can bind Anti-TPBG recombinant antibody (CSB-RA024093MA1HU), the EC50 is 1.672-2.181 ng/mL.           Purity         Greater than 95% as determined by SDS-PAGE.           Sequence         TSSASSSSSAPFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT DLPLYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDSHNPLAYLSPFAFSGSNASISAPSPLVELILMHIJPPDDKRQNRSF EGMVAAALVAGRALQGLHLLELASNHFLYLPRDVLAQLPSLRYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCH MADMYTWLKQTGVVQGKDRLTCAFPEKMRNRVLLELNSADLDCDPILPPSLQ TS           Lead Time         Basically, we can dispatch the products out in 3-7 working days after receiving your orders. Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.           Research Area         Cancer           Source         Mammalian cell           Gene Names         TPBG           Expression Region         35-355aa           Notes         Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.           Tag Info         N-terminal 10xHis-tagged and C-te   | Storage                    | storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12   |
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| Immunogen Species         Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)           Biological Activity         Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TPBG at 2 μg/mL can bind Anti-TPBG recombinant antibody (CSB-RA024093MA1HU), the EC50 is 1.672-2.181 ng/mL.           Purity         Greater than 95% as determined by SDS-PAGE.           Sequence         TSSASSSSSAPFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT DLPLYVRNLFLITGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQGLHLLELASNHFLYLPRDVLAQLPSLRYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCH MADMVTWLKQTGVVQGKDRLTCAFPEKMRNRVLLELNSADLDCDPILPPSLQ TS           Lead Time         Basically, we can dispatch the products out in 3-7 working days after receiving your orders. Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.           Research Area         Cancer           Source         Mammalian cell           Gene Names         TPBG           Expression Region         35-355aa           Notes         Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.           Tag Info         N-terminal 10xHis-tagged and C-terminal Myc-tagged           Mol. Weight         39.9 kDa           Protein Description         Partial   | Storage Buffer             |  |
| Biological Activity  Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TPBG at 2 µg/mL can bind Anti-TPBG recombinant antibody (CSB-RA024093MA1HU), the EC50 is 1.672-2.181 ng/mL.  Purity  Greater than 95% as determined by SDS-PAGE.  Sequence  TSSASSSSSAPFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT DLPLYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQGLHLLELASNHFLYLPRDVLAQLPSLRYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCH MADMVTWLKQTGVVQGKDRLTCAFPEKMRNRVLLELNSADLDCDPILPPSLQ TS  Lead Time  Basically, we can dispatch the products out in 3-7 working days after receiving your orders. Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.  Research Area  Cancer  Source  Mammalian cell  Gene Names  TPBG  Expression Region  35-355aa  Notes  Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info  N-terminal 10xHis-tagged and C-terminal Myc-tagged  Mol. Weight  39.9 kDa  Protein Description  Partial   | Product Type               | Recombinant Protein  |
| fascicularis TPBG at 2 μg/mL can bind Anti-TPBG recombinant antibody (CSB-RA024093MA1HU), the EC50 is 1.672-2.181 ng/mL.  Purity Greater than 95% as determined by SDS-PAGE.  Sequence TSSASSSSSAPFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT DLPLYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQGLHLLELASNHFLYLPRDVLAQLPSLRYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCH MADMVTWLKQTGVVQGKDRLTCAFPEKMRNRVLLELNSADLDCDPILPPSLQ TS  Lead Time Basically, we can dispatch the products out in 3-7 working days after receiving your orders. Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.  Research Area Cancer  Source Mammalian cell  Gene Names TPBG  Expression Region 35-355aa  Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info N-terminal 10xHis-tagged and C-terminal Myc-tagged  Mol. Weight 39.9 kDa  Protein Description Partial   | Immunogen Species          | Macaca fascicularis (Crab-eating macaque) (Cynomolgus monkey)  |
| Sequence  TSSASSSSSAPFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT DLPLYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQGLHLLELASNHFLYLPRDVLAQLPSLRYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCH MADMVTWLKQTGVVQGKDRLTCAFPEKMRNRVLLELNSADLDCDPILPPSLQ TS  Lead Time  Basically, we can dispatch the products out in 3-7 working days after receiving your orders. Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.  Research Area  Cancer  Source  Mammalian cell  Gene Names  TPBG  Expression Region  35-355aa  Notes  Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info  N-terminal 10xHis-tagged and C-terminal Myc-tagged  Mol. Weight  39.9 kDa  Protein Description  Partial   | Biological Activity        | fascicularis TPBG at 2 μg/mL can bind Anti-TPBG recombinant antibody (CSB-   |
| DLPLYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLSGSRLDEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQGLHLLELASNHFLYLPRDVLAQLPSLRYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCH MADMVTWLKQTGVVQGKDRLTCAFPEKMRNRVLLELNSADLDCDPILPPSLQ TS  Lead Time  Basically, we can dispatch the products out in 3-7 working days after receiving your orders. Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.  Research Area  Cancer  Source  Mammalian cell  Gene Names  TPBG  Expression Region  35-355aa  Notes  Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  Tag Info  N-terminal 10xHis-tagged and C-terminal Myc-tagged  Mol. Weight  39.9 kDa  Protein Description  Partial  | Purity                     | Greater than 95% as determined by SDS-PAGE.  |
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| 4°C for up to one week.  Tag Info  N-terminal 10xHis-tagged and C-terminal Myc-tagged  Mol. Weight  39.9 kDa  Protein Description  Partial   | Expression Region          | 35-355aa   |
| Mol. Weight 39.9 kDa  Protein Description Partial  | Notes                      |  |
| Protein Description Partial  | Tag Info                   | N-terminal 10xHis-tagged and C-terminal Myc-tagged   |
|  | Mol. Weight                | 39.9 kDa   |
| Image  | <b>Protein Description</b> | Partial  |
|  | Image                      |  |





(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



## Activity Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis TPBG at 2 µg/mL can bind Anti-TPBG recombinant antibody (CSB-RA024093MA1HU), the EC<sub>50</sub> is 1.672-2.181 ng/mL.

### **Description**

This Macaca fascicularis TPBG recombinant protein was produced in mammalian cell, where the gene sequence encoding Macaca fascicularis TPBG (35-355aa) was expressed with the N-terminal 10xHis tag and C-terminal Myc tag. The purity of this TPBG protein was greater than 95%. The activity was tested.

TPBG is expressed on a variety of malignancies, but has limited expression in normal adult tissues. At present, the global TPBG research pipeline is not very dense, and it is scattered in various drug types (vaccine, ADCs, bispecific antibodies, fusion protein, etc.). Drug candidates targeting TPBG have demonstrated good preclinical antitumor activity and safety, indicating that TPBG is a very attractive target in tumor immunotherapy. The preparation of Macaca fascicularis TPBG recombinant protein can help its related drug development and research.

#### **Endotoxin**

Less than 1.0 EU/ug as determined by LAL method.

#### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20?/-80?. Our default final concentration of glycerol is 50%. Customers could use it as reference.