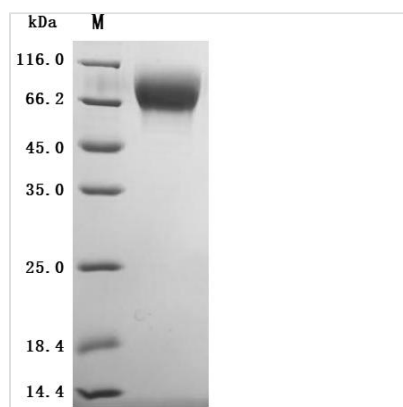


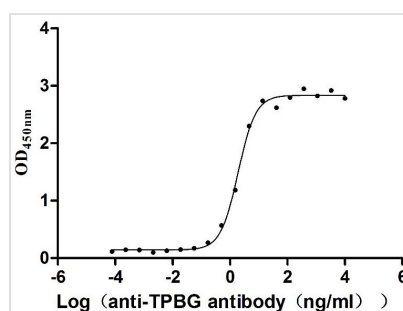


Recombinant Macaca fascicularis Trophoblast glycoprotein (TPBG), partial (Active)

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.
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	TSSASSSSSSAPFLASAASAQPPLPDQCPALCECSEAARTVKCVNRNLTEVPT DLPLYVRNLFLTGNQLAVLPAGAFARRPPLAELAALNLGSRLEVRGGAFEH LPSLRQLDLSHNPLAYLSPFAFSGSNASISAPSPLVELILNHIVPPDDKRQNRSF EGMVAAALVAGRALQGLHLELASNHFLYLPRDVLQQLPSRLYLDLSNNSLVSL TYVSFRNLTHLESLHLEDNALKVLHNGTLAELQGLPHVRVFLDNNPWVCDCH MADMVTWLKQGTGVVQGKDRLTCAFPEKMRNRVLELNSADLDCDPILPPSLQ 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
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 EC₅₀ 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.