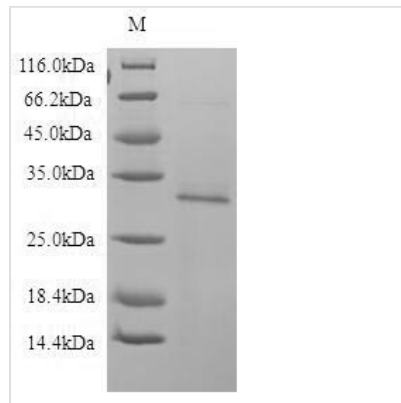




Recombinant Human Bone marrow proteoglycan (PRG2), partial

Product Code	CSB-CF018670HUa2
Relevance	Cytotoxin and helminthotoxin. Also induces non-cytolytic histamine release from human basophils. Involved in antiparasitic defense mechanisms and immune hypersensitivity reactions. The proform acts as a proteinase inhibitor, reducing the activity of PAPPa.
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.	P13727
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TCRYLLVRSLSQTFSSQAWFTCRRRCYRGNLVSIIHNFNINYRIQCSVSALNQGQVW IGGRITGSGRCRRFQWVDGSRWNFAYWAAHQPSRGGHCVALCTRGGHW RRAHCLRRLPFICSY
Lead Time	3-7 business days
Research Area	Immunology
Source	in vitro E.coli expression system
Gene Names	PRG2
Protein Names	Proteoglycan 2 Cleaved into the following chain: Eosinophil granule major basic protein Short name: EMBP Short name: MBP Alternative name(s): Pregnancy-associated major basic protein
Expression Region	106-222aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	29.8kDa
Protein Description	Partial
Image	



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

Description

Discover the exciting capabilities of our Recombinant Human PRG2, a central player in human immunology research. This product represents the Bone marrow proteoglycan (BMPG), also known as Proteoglycan 2, encoded by the PRG2 gene in humans. BMPG plays an essential role in immune response, making it a pivotal protein in the field of immunology.

This recombinant BMPG is derived from an in vitro E.coli expression system and spans a partial sequence, specifically covering the amino acid region from 106 to 222. It comes with an N-terminal 6xHis-SUMO tag, facilitating ease of purification and detection. This Recombinant Human PRG2 reaches a purity greater than 90%, as verified by SDS-PAGE, providing you with a high-quality product for reliable experimental results. Available in both liquid and lyophilized powder form, it is designed to suit your laboratory needs. With this product, you can delve into deeper understanding and possibly contribute to the advancement of immunology research.

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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.