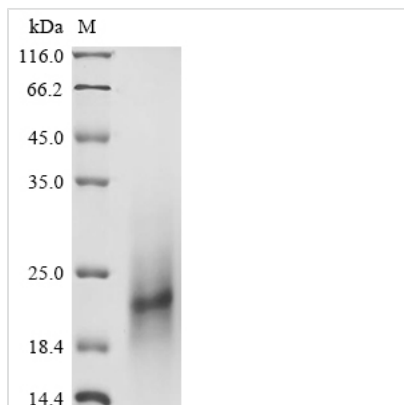




Recombinant Human Proteoglycan 4 (PRG4), partial

Product Code	CSB-YP018672HU
Relevance	Plays a role in boundary lubrication within articulating joints. Prevents protein deposition onto cartilage from synovial fluid by controlling adhesion-dependent synovial growth and inhibiting the adhesion of synovial cells to the cartilage surface. Isoform F plays a role as a growth factor acting on the primitive cells of both hematopoietic and endothelial cell lineages.
Abbreviation	Recombinant Human Prg4 protein, partial
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.	Q92954
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	QDLSSCAGRCGEGYSRDATCNCQDYNCQHMECCPDFKRVCTAELSCKGRCF ESFERGRECDCAQCKKYDKCCPDYESFCAEVHNPTSPSSKKAPPPSGAS QTIKSTTKRSPKPPNKKKTKKVIIESEEITE
Research Area	Signal Transduction
Source	Yeast
Target Names	PRG4
Protein Names	LubricinMegakaryocyte-stimulating factorSuperficial zone proteoglycanCleaved into the following chain:Proteoglycan 4 C-terminal partMSF, SZP
Expression Region	25-156aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	19.5 kDa
Protein Length	Partial
Image	



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

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.

Shelf Life

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.