

Proteoglycan 4 (PRG4) Recombinant Protein | PRG4 recombinant protein

Recombinant Proteoglycan 4 (PRG4)

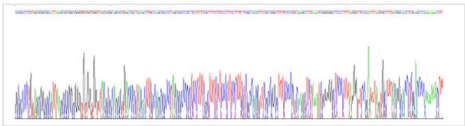
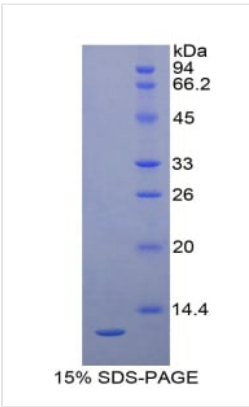
CATALOG # AAA134082	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Proteoglycan 4 (PRG4); Recombinant Proteoglycan 4 (PRG4); PRG4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 5000ug/mL (varies by lot)
Applicable Applications for PRG4 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Val1151~Gly1241
Tags	N-terminal His Tag
Subcellular Location	Secreted
Predicted isoelectric point	9.4
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition



Identification
Figure Gene Sequencing (extract)

SDS-PAGE

VDGLTTLRNG TLVAFRGHYF WMLSPFSPPS PARRITEVWG IPSPIDTVFT
RCNCEGKTFF FKDSQYWRFT NDIKDAGYPK PIFKGFGLT G

Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	189181720
NCBI GeneID	10216
NCBI Accession #	NP_001121180.1
NCBI GenBank Nucleotide #	NM_001127708.1
UniProt Accession #	Q92954; Q6DNC4; Q6DNC5; Q6ZMZ5; Q9BX49
Molecular Weight	Predicted Molecular Mass: 11.6kDa Accurate Molecular Mass: 12kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	proteoglycan 4 isoform B
NCBI Official Synonym Full Names	proteoglycan 4
NCBI Official Symbol	PRG4
NCBI Official Synonym Symbols	MSF; SZP; CACP; HAPO; JCAP; bG174L6.2
NCBI Protein Information	proteoglycan 4; lubricin; superficial zone proteoglycan; megakaryocyte stimulating factor; megakaryocyte-stimulating factor; articular superficial zone protein; bG174L6.2 (MSF: megakaryocyte stimulating factor)
UniProt Protein Name	Proteoglycan 4
UniProt Gene Name	PRG4
UniProt Synonym Gene Names	MSF; SZP
UniProt Entry Name	PRG4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.