

Proteoglycan 4 (PRG4) Recombinant Protein | PRG4 recombinant protein

Recombinant Human Proteoglycan 4 (PRG4) , partial

CATALOG #
AAA117145

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	25-156aa; Partial
Sequence	QDLSSCAGRC GEGYSRDATC NCDYNCQHYM ECCPDFKRVC TAE LSCKGRC FESFERGREC DCDAQCKKYD KCCPDYESFC AEVHNPTSP SSKKAPPPSG ASQTIKSTTK RSPKPPNKKK TTKVIESEI TE
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for PRG4 recombinant protein

This protein is a large proteoglycan specifically synthesized by chondrocytes located at the surface of articular cartilage, and also by some synovial lining cells. This protein contains both chondroitin sulfate and keratan sulfate glycosaminoglycans. It functions as a boundary lubricant at the cartilage surface and contributes to the elastic absorption and energy dissipation of synovial fluid. Mutations in this gene result in camptodactyly-arthropathy-coxa vara-pericarditis syndrome. Multiple transcript variants encoding different isoforms have been found for this gene.

NCBI AND UNIPROT INFORMATION

NCBI GI #	735997424
NCBI GeneID	10216
NCBI Accession #	NP_001121180.2
NCBI GenBank Nucleotide #	NM_001127708.2
UniProt Accession #	Q92954; Q6DNC4; Q6DNC5; Q6ZMZ5; Q9BX49
Molecular Weight	16.8 kDa
NCBI Official Full Name	proteoglycan 4 isoform B preproprotein
NCBI Official Synonym Full Names	proteoglycan 4
NCBI Official Symbol	PRG4
NCBI Official Synonym Symbols	MSF; SZP; CACP; HAPO; JCAP
NCBI Protein Information	proteoglycan 4

UniProt Protein Name	Proteoglycan 4
UniProt Gene Name	PRG4
UniProt Synonym Gene Names	MSF; SZP

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.

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Online datasheet: <https://stage.aaabiotech.com/prg4-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117145>