



Human PRG4 blocking peptide (CDBP1789)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-Lubricin/PRG4 antibody
Antigen Description	The protein encoded by this gene 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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PRG4 proteoglycan 4 [Homo sapiens]
Official Symbol	PRG4
Synonyms	PRG4; proteoglycan 4; CACP, proteoglycan 4, (megakaryocyte stimulating factor, articular

superficial zone protein, camptodactyly, arthropathy, coxa vara, pericarditis syndrome); articular superficial zone protein; bG174L6.2; bG174L6.2 (MSF: megakaryocyte stimulating factor); camptodactyly; arthropathy; coxa vara; pericarditis syndrome; FLJ32635; HAPO; Jacobs camptodactyly arthropathy pericarditis syndrome; JCAP; lubricin; megakaryocyte stimulating factor; MSF; SZP; superficial zone proteoglycan; megakaryocyte-stimulating factor; CACP;

Entrez Gene ID	10216
mRNA Refseq	NM_001127708
Protein Refseq	NP_001121180
UniProt ID	Q92954
Chromosome Location	1q25-q31
Function	polysaccharide binding; scavenger receptor activity;