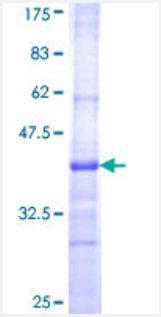
CILP (Human) Recombinant Protein (Q01)

Catalog # H00008483-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CILP partial ORF (NP_003604, 129 a.a. - 226 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NCSNYTVRFLCPPGSLRRDTERIWSPWSPWSKCSAACGQTGVQTRTRICLAEMVSLCSEASEEGQHCMGQDCTACDLTCPMGQVNADCDACMCQDFML
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.52
Interspecies Antigen Sequence	Mouse (88); Rat (88)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CILP

Entrez GeneID	8483
GeneBank Accession#	NM_003613
Protein Accession#	NP_003604
Gene Name	CILP
Gene Alias	CILP-1, HsT18872
Gene Description	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase
Omim ID	603489 603932
Gene Ontology	Hyperlink
Gene Summary	Major alterations in the composition of the cartilage extracellular matrix occur in joint disease, such as osteoarthrosis. This gene encodes the cartilage intermediate layer protein (CILP), which increases in early osteoarthrosis cartilage. The encoded protein was thought to encode a protein precursor for 2 different proteins, namely CILP and a homolog of NTPPHase, however later studies identified no nucleotide pyrophosphatase phosphodiesterase (NPP) activity. One isoform of the protein, CILP-1, functions as an IGF-1 antagonist. [provided by RefSeq
Other Designations	cartilage intermediate layer protein|cartilage intermediate layer protein 1 C1|cartilage intermediate layer protein 1 C2

Disease

- Disease Progression
- Genetic Predisposition to Disease

- Osteoarthritis