

Recombinant Human CILP Protein, GST-tagged

Cat. No. CILP-1367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CILP partial ORF (NP_003604, 129 a.a. - 226 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>Major alterations in the composition of the cartilage extracellular matrix occur in joint disease, such as osteoarthritis. This gene encodes the cartilage intermediate layer protein (CILP), which increases in early osteoarthritis cartilage. The encoded protein was thought to encode a protein precursor for two different proteins; an N-terminal CILP and a C-terminal homolog of NTPPHase, however, later studies identified no nucleotide pyrophosphatase phosphodiesterase (NPP) activity. The full-length and the N-terminal domain of this protein was shown to function as an IGF-1 antagonist. An allelic variant of this gene has been associated with lumbar disc disease. [provided by RefSeq, Sep 2010]</p>
Molecular Mass	36.52 kDa
AA Sequence	NCSNYTVRFLCPPGSLRRDTERIWSPWSPWSKCSAACGQTGVQTRTRICLAEMVSLCSEASEEGQHCMGQDCTACDLTCPMGQVNADCDACMCQDFML
Applications	<p>Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production</p>

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	Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CILP cartilage intermediate layer protein, nucleotide pyrophosphohydrolase [Homo sapiens]
Official Symbol	CILP
Synonyms	CILP; cartilage intermediate layer protein, nucleotide pyrophosphohydrolase; cartilage intermediate layer protein 1; HsT18872; cartilage intermediate-layer protein; cartilage intermediate layer protein 1 C1; cartilage intermediate layer protein 1 C2; CILP-1;
Gene ID	8483
mRNA Refseq	NM_003613
Protein Refseq	NP_003604
MIM	603489
UniProt ID	O75339

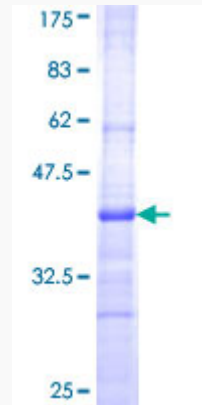
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Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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