

## Recombinant Human CILP protein, T7/His-tagged

Cat. No. CILP-69H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human CILP - C1 cDNA (22 - 724aa, derived from BC035776) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	22-724 a.a.
<b>Form</b>	0.1 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
<b>AA Sequence</b>	<p>MASMTGGQQMGRGRHHHHHHGNLYFQGGEFRQTMLTQSVRRVQPGKKNPSIFAKP  ADTLESPGEWTTWFNIDYPPGGKGDYERLDAIRFYYGDRVCARPLRLEARTTDWTPA  GSTGQVVHGSPPREGFWCL NREQRPGQNCSNYTVRFLCPPGSLRRDTERIWSPWS  PWSKCSAACGQTGVQTRTRICLAEMVSLCSEASEEGQHCMGQDCTACDLTCPMG  QVNADCDCACMCQDFMLHGAVSLPGGAPASGAAYLLTKTPKLLTQTDSGRFRIPG  LCPDGKSILKITKVKFAPIVLTMPKTSKAAATIKAEFVRAETPYMVMNPETKARRAGQ  SVSLCCKATGKPRPDKYFWYHNDTLLDPSLYKHESKLVLRKLQHQAGEYFCKAQS  DAGAVKSKVAQLIVIASDETPCNPVPESYLIRLPHDCFQATNSFYFDVGRCPVKTC  AGQQDNGIRCRDAVQNCCGISKTEEREIQCSGYTLPTKVAKECSCQRCTETRSIVR  GRVSAADNGEPMRFGHVYMGNSRVSMGTGYKGTFTLHVPQDTERLVLTFVDRLQKF  VNTTKVLPFNKKGSAVFHEIKMLRRKKPITLEAMETNIPLGEVVGEDPMAELEIPSR  FYRQNGEPYIGKVKASVTFLDPRNISTATAAQDLNFINDEGDTFPLRITYGMFSVDF</p>

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RDEVTSSEPLNAGKVKVHLDSTQVKMPEHISTVKLWLSLNPDTGLWEEEGDFKFENQR  
RNKR

**Purity** >90% by SDS-PAGE

**Applications** 1. May be used for in vitro CILP N-terminal protein C1 mediated IGF-1 antagonist activities for osteoblast cell differentiatio regulation study with this protein as either coating matrix protein or as soluble factor.2. May be used for CILP C1 protein – protein interaction assay.3. May be used as enzymatic substrate for various proteases.4. May be used for specific antibody production.

**Storage** Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

## 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

**Gene ID** 8483

**mRNA Refseq** NM\_003613

**Protein Refseq** NP\_003604

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<b>MIM</b>	603489
<b>UniProt ID</b>	O75339
<b>Chromosome Location</b>	15q22
<b>Function</b>	NOT alkaline phosphatase activity; NOT nucleotide diphosphatase activity;

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