Recombinant Human CILP protein, T7/His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	22-724 a.a.
Form	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.
AA Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFRQTMLTQSVRRVQPGKKNPSIFAKP ADTLESPGEWTTWFNIDYPGGKGDYERLDAIRFYYGDRVCARPLRLEARTTDWTPA GSTGQVVHGSPREGFWCL NREQRPGQNCSNYTVRFLCPPGSLRRDTERIWSPWS PWSKCSAACGQTGVQTRTRICLAEMVSLCSEASEEGQHCMGQDCTACDLTCPMG QVNADCDACMCQDFMLHGAVSLPGGAPASGAAIYLLTKTPKLLTQTDSDGRFRIPG LCPDGKSILKITKVKFAPIVLTMPKTSLKAATIKAEFVRAETPYMVMNPETKARRAGQ SVSLCCKATGKPRPDKYFWYHNDTLLDPSLYKHESKLVLRKLQQHQAGEYFCKAQS DAGAVKSKVAQLIVIASDETPCNPVPESYLIRLPHDCFQNATNSFYYDVGRCPVKTC AGQQDNGIRCRDAVQNCCGISKTEEREIQCSGYTLPTKVAKECSCQRCTETRSIVR GRVSAADNGEPMRFGHVYMGNSRVSMTGYKGTFTLHVPQDTERLVLTFVDRLQKF VNTTKVLPFNKKGSAVFHEIKMLRRKKPITLEAMETNIIPLGEVVGEDPMAELEIPSRS FYRQNGEPYIGKVKASVTFLDPRNISTATAAQTDLNFINDEGDTFPLRTYGMFSVDF

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	RDEVTSEPLNAGKVKVHLDSTQVKMPEHISTVKLWSLNPDTGLWEEEGDFKFENQRRNKR
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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MIM	603489
UniProt ID	O75339
Chromosome Location	15q22
Function	NOT alkaline phosphatase activity; NOT nucleotide diphosphatase activity;

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