

## Active Recombinant Human CILP Protein, His-tagged

Cat. No. CILP-538H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CILP (Accession # NP_003604) Met1-Arg720, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>ProteinLength</b>	Met1-Arg720
<b>Predicted N Terminal</b>	Arg22
<b>Form</b>	Lyophilized from a 0.2 µ filtered solution in PBS.
<b>Bio-activity</b>	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. The ED50 for this effect is typically 0.5 - 2.0 µg/mL. Optimal dilutions should be determined by each laboratory for each application. Also measured by its ability to bind Recombinant Human TGF-beta 1.
<b>Molecular Mass</b>	Recombinant Human CILP, His-tagged has a calculated MW of 78.8 kDa. In SDS-PAGE migrates as 85-95 kDa, reducing conditions.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

**Reconstitution**

Reconstitute at 50 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## 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

**Chromosome  
Location**

15q22

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