

Active Recombinant Human CILP Protein, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Mammalian Cells
ProteinLength	Met1-Arg720
Predicted N Terminal	Arg22
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	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.
Molecular Mass	Recombinant Human CILP, His-tagged has a calculated MW of 78.8 kDa. In SDS-PAGE migrates as 85-95 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	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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