# Active Recombinant Human CILP Protein, His-tagged

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

## SPECIFICATION

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| **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 μm 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 (4ºC); After reconstitution under sterile conditions for 3 |

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| | months (-70ºC). |
| **Reconstitution** | Reconstitute at 50 g/mL in sterile PBS containing at least 0.1% human or bovine serum albumin. |

## GENE INFORMATION

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| **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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