

Cartilage Intermediate Layer Protein (CILP) Recombinant Protein | CILP recombinant protein

Recombinant Cartilage Intermediate Layer Protein (CILP)

CATALOG # AAA135553	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
-------------------------------	-----------------------	---

PRODUCT SYNONYMS

Cartilage Intermediate Layer Protein (CILP); Recombinant Cartilage Intermediate Layer Protein (CILP); CILP recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLIERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLMDPM CLDAFPKLVC FKKRIEAIQ IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTG GSGGIEGRGS MGYRGSEF-P SKSFYRQNGE PFTGKV KASV TFLDPRNIST ATAAQSDLNF INDEGDTFPL RTYGMFVDF RDEATSESLN AGKVKVHLD S TQVKMPEHVP AMKLWSLNP D TGLWEEEGDF KFESQRRNKR EERTFLVGNM EIRERRLFNL DVPESRRCFI KVRTYRSEF LPSEIQGVV VSVINLEPRT GFSSNPRAWG RFDSVITGPN GACLP AFCDD QSPDAYSVVY LASLSGEELE AVESSPKFNP NAIGVPQPYL NKLKYRRTDH
Sequence Length	1250
Applicable Applications for CILP recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Pro604~His864 (Accession # Q66K08) with two N-terminal Tags, His-tag and T7-tag
Subcellular Location	Secreted, extracellular space, extracellular matrix
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	6.3
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	27734196
NCBI GeneID	214425
NCBI Accession #	NP_775561.1
NCBI GenBank Nucleotide #	NM_173385.2
UniProt Accession #	Q66K08; Q7TSS0; Q7TSS1; Q8BV01
Molecular Weight	62.0 kDa
NCBI Official Full Name	cartilage intermediate layer protein 1
NCBI Official Synonym Full Names	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase
NCBI Official Symbol	Cilp
NCBI Official Synonym Symbols	9830114D16; C130036G17Rik
NCBI Protein Information	cartilage intermediate layer protein 1; CILP-1
UniProt Protein Name	Cartilage intermediate layer protein 1
UniProt Gene Name	Cilp
UniProt Synonym Gene Names	CILP-1
UniProt Entry Name	CILP1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.