

# Recombinant Human PDZ and LIM domain 1, His-tagged

**Cat. No.** PDLIM1-430H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | PDLIM1, 1-329aa, Human, His tag, E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 1-329 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | PDLIM1 is a member of the enigma protein family. The protein contains two protein interacting domains, a PDZ domain at the amino terminal end and one to three LIM domains at the carboxyl terminal. It is a cytoplasmic protein associated with the cytoskeleton. The protein may function as an adapter to bring other LIM-interacting proteins to the cytoskeleton. Pseudogenes associated with this gene are located on chromosomes 3, 14 and 17. Recombinant human PDLIM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| <b>Form</b>             | Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl, 10% glycerol, 1mM DTT, 2mM EDTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 38.7 kDa (354aa) confirmed by MALDI-TOF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MGSSHHHHHH SSGLVPRGSH MGSEFMTTQQ IDLQGP GPWG FRLVGGKDFE<br>QPLAISRVTP GSKAALANLC IGDVITAIDG ENTSNMTHLE AQNRIKGCTD<br>NLTLTVARSE HKVWSPLVTE EGKRHPYKMN LASEPQEV LH IGSAHNRSAM                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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PFTASPASST TARVITNQYN NPAGLYSSEN ISNFNNALES KTAASGVEAN  
 SRPLDHAQPP SSLVIDKESE VYKMLQEKQE LNEPPKQSTS FLVLQEILES  
 EEKGDPNKPS GFRSVKAPVT KVAASIGNAQ KLPMCDKCGT GIVGVFVKLR  
 DRHRHPECYV CTDCGTNLKQ KGHFFVEDQI YCEKHARERV TPPEGYEVVT VFVK

**Purity** >85% by SDS - PAGE

**Storage** Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

**Concentration** 1 mg/ml (determined by Bradford assay)

## GENE INFORMATION

**Gene Name** [PDLIM1 PDZ and LIM domain 1 \[ Homo sapiens \]](#)

**Official Symbol** PDLIM1

**Synonyms** PDLIM1; PDZ and LIM domain 1; CLIM1, PDZ and LIM domain 1 (elfin); PDZ and LIM domain protein 1; carboxyl terminal LIM domain protein 1; CLP 36; CLP36; elfin; hCLIM1; enigma; LIM domain protein CLP-36; C-terminal LIM domain protein 1; carboxy terminal LIM domain protein 1; CLIM1; CLP-36;

**Gene ID** [9124](#)

**mRNA Refseq** [NM\\_020992](#)

**Protein Refseq** [NP\\_066272](#)

**MIM** [605900](#)

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|----------------------------|--------------------------------------------------------------------------|
| <b>UniProt ID</b>          | O00151                                                                   |
| <b>Chromosome Location</b> | 10q23.1                                                                  |
| <b>Function</b>            | metal ion binding; transcription coactivator activity; zinc ion binding; |

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