

Recombinant Human PDZ and LIM domain 1, His-tagged

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

SPECIFICATION

Product Overview	PDLIM1, 1-329aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-329 a.a.
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl, 10% glycerol, 1mM DTT, 2mM EDTA
Molecular Mass	38.7 kDa (354aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFMTTQQ IDLQGP GPWG FRLVGGKDFE QPLAISRVTP GSKAALANLC IGDVITAIDG ENTSNMTHLE AQNRIGCTD 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 VF PK

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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UniProt ID	O00151
Chromosome Location	10q23.1
Function	metal ion binding; transcription coactivator activity; zinc ion binding;

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