

Recombinant Human PDLIM1, His-tagged

Cat. No. PDLIM1-5031H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PDLIM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
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 IDLQGPGPWG FRLVGGKDFE QPLAISRVTP GSKAALANLC IGDVITAIDG ENTSNMTHLE AQNRIKGCTD NLTLTVARSE HKVWSPLVTE EGKRHPYKMN LASEPQEV LH IGSAHNRSAM PFTASPASST TARVITNQYN NPAGLYSSEN ISNFNNALES KTAASGVEAN SRPLDHAQPP SSLVIDKESE VYKMLQEKQE LNEPPKQSTS FLVLQEILES EEKGDPNKPS GFRSVKAPVT KVAASIGNAQ KLPMCDKCGT GIVGVFVKLR

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	DRHRHPECYV CTDCGTNLKQ KGHFFVEDQI YCEKHARERV TPPEGYEVVT VFPK
Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. 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;