

# Recombinant human PDLIM1 protein

Catalog Number: ATGP2527

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-329aa

**UniProt No.**

O00151

**NCBI Accession No.**

NP\_066272

**Alternative Names**

PDZ and LIM domain protein 1, CLIM1, CLP-36, CLP36, Hclim1

## PRODUCT SPECIFICATION

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**Molecular Weight**

38.7 kDa (354aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.1M NaCl, 10% glycerol, 1mM DTT, 2mM EDTA

**Purity**

&gt; 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**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.

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### Amino acid Sequence

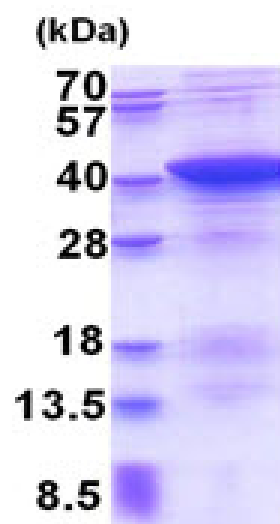
MGSSHHHHHH SSGLVPRGSH MGSEFMTTQQ IDLQGGPWG FRLVGGKDFE QPLAISRVTP GSKAALANLC IGDVITAIDG  
ENTSNMTHLE AQNRIGCTD NLTLTVARSE HKVWSPLVTE EGKRHPYKMN LASEPQEV LH IGSAHNRSAM PFTASPASST  
TARVITNQYN NPAGLYSSEN ISNFNNALES KTAASGVEAN SRPLDHAQPP SSLVIDKESE VYKMLQEKQE LNEPPKQSTS  
FLVLQEILES EEKGDPNKPS GFRSVKAPVT KVAASIGNAQ KLPMCDKCGT GIVGVFVKLR DRHRHPECYV CTDCGTNLKQ  
KGHFFVEDQI YCEKHARERV TPPEGYEVVT VFPK

### General References

Bauer K., et al. (2000) Blood. 96: 4236-4245.  
Vallenius T., et al. (2002) J Cell Sci. 115: 2067-2073.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)