

# Recombinant Full Length Human PDLIM5 Protein, C-Flag-tagged

**Cat. No.** PDLIM5-1606HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human PDLIM5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | This gene encodes a member of a family of proteins that possess a 100-amino acid PDZ domain at the N terminus and one to three LIM domains at the C-terminus. This family member functions as a scaffold protein that tethers protein kinases to the Z-disk in striated muscles. It is thought to function in cardiomyocyte expansion and in restraining postsynaptic growth of excitatory synapses. Alternative splicing of this gene results in multiple transcript variants. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 63.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MSNYSVSLVGPAPWGFRLQGGKDFNMPLTISSLKDGGKAAQANVRIGDVVLSIDGIN<br>AQGMTHLEAQNKI KGCTGSLNMTLQRASAAPKPEPVPVQKGEPKEVVKPVPITSPA<br>VSKVTSTNNMAYNKAPRPFQSVSSPKV TSIPSPSSAFTPAHATTSSHASPSVAAVT<br>PPLFAASGLHANANLSADQSPSALSAGKTAVNVPRQPTVT SVCSETSQELAEGQR<br>RGSQGDSKQQNGPPRKHIVERYTEFYHVPTHSDASKKRLIEDTEDWRPRTGTTQS<br>RSFRILAQITGTEHLKESEADNTKKANNSQEPSPQLASSVASTRSMPESLDSPTSGR                                                                                                         |

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PGVTSLTAAAFK PVGSTGVIKSPSWQRPNQGV PSTGRISNSAAYSGSVAPANSAL  
 GQTQPSDQDTLVQRAEHIPAGKRTPMC AHCNQVIRGPFLVALGKSWHPPEFNCAH  
 CKNTMAYIGFVEEKGALYCELCYEKFFAPECGRCQRKILGEV INALKQTWVHSCFV  
 CVACGKPIRNNVFHLEDGEPYCETDYALFGTICHGCEFP IEAGDMFLEALGYTWH  
 DTCFVCSVCCESLEGQTFFSKKDKPLCKKHAHSVNFTRTRPLEQKLISEEDLAANDIL  
 DYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

## GENE INFORMATION

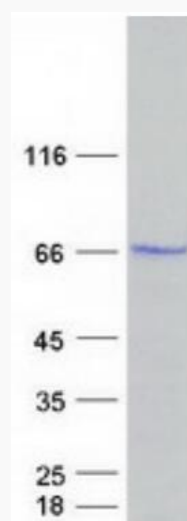
|                        |                                                      |
|------------------------|------------------------------------------------------|
| <b>Gene Name</b>       | PDLIM5 PDZ and LIM domain 5 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | PDLIM5                                               |
| <b>Synonyms</b>        | L9; ENH; LIM; ENH1                                   |

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|                |             |
|----------------|-------------|
| Gene ID        | 10611       |
| mRNA Refseq    | NM_006457.5 |
| Protein Refseq | NP_006448.5 |
| MIM            | 605904      |
| UniProt ID     | Q96HC4      |



Coomassie blue staining of purified PDLIM5 protein.