

## Product datasheet for TP301005

### PDLIM7 (NM\_005451) Human Recombinant Protein

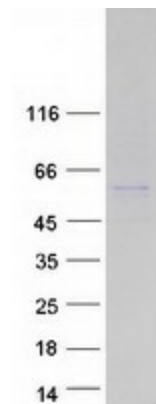
#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human PDZ and LIM domain 7 (enigma) (PDLIM7), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201005 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MDSFKWLEGPAWPWGFRLLQGGKDFNVPLSISRLTPGGKAAQAGVAVGDWVLSIDGENAGSLTHIEAQNKI RACGERLSLGLSRAQPVQSKPQKASAPAADPPRYTFAPSVSLNKTARPFGAPPPADSAPQQNGQPLRPLV PDASKQRLMENTEDWRPRPGTGQSRFRILAHLTGTEFMQDPDEEHLKKSSQVPRTEAPAPASSTPQEP W PGPTAPSPTSPPWAVDPFAERYAPDKTSTVLTRHSQPATPTPLQSRTSIVQAAAGGVPGGGSNNGKTP VCHQCHKVIRGRYLVALGHAYHPEEFVCSQCGKVLEEGGFEEKGAIFCPPCYDVRYAPSCAKCKKKITG EIMHALKMTWHVHCFTCAACKTPIRNRAFYMEEGVPYCERDYEKMFGTKCHGCDKFIDAGDRFLEALGFS WHDTCFVCAICQINLEGKTFYSKKDRPLCKSHAFSHV  <span style="color: red;">SGPTRTRPLE</span> <span style="color: green;">QKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	49.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.


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<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>RefSeq:</b>	<a href="#">NP_005442</a>
<b>Locus ID:</b>	9260
<b>UniProt ID:</b>	<a href="#">Q9NR12</a>
<b>RefSeq Size:</b>	1770
<b>Cytogenetics:</b>	5q35.3
<b>RefSeq ORF:</b>	1371
<b>Synonyms:</b>	LMP1; LMP3
<b>Summary:</b>	The protein encoded by this gene is representative of a family of proteins composed of conserved PDZ and LIM domains. LIM domains are proposed to function in protein-protein recognition in a variety of contexts including gene transcription and development and in cytoskeletal interaction. The LIM domains of this protein bind to protein kinases, whereas the PDZ domain binds to actin filaments. The gene product is involved in the assembly of an actin filament-associated complex essential for transmission of ret/ptc2 mitogenic signaling. The biological function is likely to be that of an adapter, with the PDZ domain localizing the LIM-binding proteins to actin filaments of both skeletal muscle and nonmuscle tissues. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome

## Product images:



Coomassie blue staining of purified PDLIM7 protein (Cat# TP301005). The protein was produced from HEK293T cells transfected with PDLIM7 cDNA clone (Cat# [RC201005]) using MegaTran 2.0 (Cat# [TT210002]).