

Recombinant Human PDLIM7 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDLIM7-4048H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDLIM7 MS Standard C13 and N15-labeled recombinant protein (NP_976227) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	46.3 kDa
AA Sequence	MDSFKVVLEGPAPWGFRLQGGKDFNVPLSISRLTPGGKAAQAGVAVGDWVLSIDG ENAGSLTHIEAQNKIRACGERLSLGLSRAQPVQSKPQKVQTPDKQPLRPLVPDASK QRLMENTEDWRPRPGTGQSRSEFRILAHLTGTEFMQDPDEEHLKKSSQVPRTEAPA

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PASSTPQEPWPGPTAPSPTSRRPPWAVDPFAERYAPDKTSTVLTRHSQPATPTPLQ
 SRTSIVQAAAGGVPGGGSNNGKTPVCHQCHKVIRGRYLVALGHAYHPEEFVCSQC
 GKVLEEGGFFEEKGAIFCPCYDVRYPSCAKCKKKITGEIMHALKMTWHVHCFTCA
 ACKTPIRNRAFYMEEGVYPYCERDYEKMFGTKCHGCDKFIDAGDRFLEALGFSWHD
 TCFVCAICQINLEGKTFYSKKDRPLCKSHAFSHVSGPTRTRRLEQKLISEEDLAANDIL
 DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PDLIM7 PDZ and LIM domain 7 [Homo sapiens (human)]

Official Symbol PDLIM7

Synonyms PDLIM7; PDZ and LIM domain 7 (enigma); PDZ and LIM domain protein 7; ENIGMA; LMP; 1110003B01Rik; protein enigma; LIM domain protein; Lim mineralization protein 3; LMP1; LMP3;

Gene ID 9260

mRNA Refseq NM_203352

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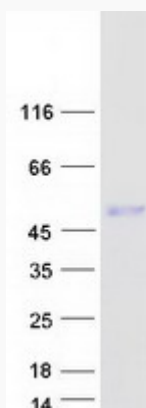
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Protein Refseq NP_976227

MIM 605903

UniProt ID Q9NR12

SDS-PAGE



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