

Recombinant Human PDLIM7 cell lysate

Cat. No. PDLIM7-1326HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

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.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

PDLIM7 PDZ and LIM domain 7 (enigma) [Homo sapiens]

Official Symbol

PDLIM7

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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_005451
Protein Refseq	NP_005442
MIM	605903
UniProt ID	Q9NR12
Chromosome Location	5q35.3
Pathway	Signaling events regulated by Ret tyrosine kinase, organism-specific biosystem;
Function	metal ion binding; protein binding; zinc ion binding;

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