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Product datasheet for TP504849

Pdlim4 (NM_019417) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse PDZ and LIM domain 4 (Pdlim4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204849 protein sequence Red=Cloning site Green=Tags(s) MTHSVTLRGPSPWGFRLVGGRDFSAPLTISRVHAGSKAALAALCPGDLIQAINGESTELMTHLEAQNRIK GCHDHLTLSVSRPENKNWPSAPDDKAQAHRIHIDPESQDCSPATSRRSSVSGISLEDNRSGLGSPYGQPP RLPVPHNGSSNEATLPAQMSALHVSPPTSADTARVLPRNRDCRVDLGSEVYRMLREPAEPTASEPKQSGS FRYLQGMLEAGEGGDRPGSGGPRNLKPAASKLGAPLSGLQGLPECTRCGHGIVGTIVKARDKLYHPECFM CSDCGLNLKQRGYFFLDERLYCENHAKARVKPPEGYDVVAVYPNAKVELV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	35.6 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_062290
Locus ID:	30794
UniProt ID:	P70271

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RefSeq Size:	1189
Cytogenetics:	11 32.13 cM
RefSeq ORF:	993
Synonyms:	Ril
Summary:	Suppresses SRC activation by recognizing and binding to active SRC and facilitating PTPN13-mediated dephosphorylation of SRC 'Tyr-419' leading to its inactivation. Inactivated SRC dissociates from this protein allowing the initiation of a new SRC inactivation cycle. Involved in reorganization of the actin cytoskeleton (By similarity). In nonmuscle cells, binds to ACTN1 (alpha-actinin-1), increases the affinity of ACTN1 to F-actin (filamentous actin), and promotes formation of actin stress fibers. Involved in regulation of the synaptic AMPA receptor transport in dendritic spines of hippocampal pyramidal neurons directing the receptors toward an insertion at the postsynaptic membrane. Links endosomal surface-internalized GRIA1-containing AMPA receptors to the alpha-actinin/actin cytoskeleton. Increases AMPA receptor-mediated excitatory postsynaptic currents in neurons (By similarity).[UniProtKB/Swiss-Prot Function]

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