Recombinant Mouse Pacsin1 Protein, Myc/DDK-tagged

Cat. No. Pacsin1-4648M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length protein kinase C and casein kinase substrate in neurons 1 (Pacsin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Binds to membranes via its F-BAR domain and mediates membrane tubulation. Plays a role in the reorganization of the microtubule cytoskeleton via its interaction with MAPT; this decreases microtubule stability and inhibits MAPT-induced microtubule polymerization. Plays a role in cellular transport processes by recruiting DNM1, DNM2 and DNM3 to membranes. Plays a role in the reorganization of the actin cytoskeleton and in neuron morphogenesis via its interaction with COBL and WASL, and by recruiting COBL to the cell cortex. Plays a role in the regulation of neurite formation, neurite branching and the regulation of neurite length. Required for normal synaptic vesicle endocytosis; this process retrieves previously released neurotransmitters to accommodate multiple cycles of neurotransmission. Required for normal excitatory and inhibitory synaptic transmission.
Molecular Mass	50.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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	handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Pacsin1 protein kinase C and casein kinase substrate in neurons 1 [Mus musculus (house mouse)]
Official Symbol	Pacsin1
Synonyms	PACSIN1; protein kinase C and casein kinase substrate in neurons 1; protein kinase C and casein kinase substrate in neurons protein 1; Syndapin I; H74; syndapin; mKIAA1379; A830061D09Rik
Gene ID	23969
mRNA Refseq	NM_011861
Protein Refseq	NP_035991
UniProt ID	Q61644

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