

Product datasheet for **TP507030**

Pacsin1 (NM_011861) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein kinase C and casein kinase substrate in neurons 1 (Pacsin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207030 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSGSYDEASEEITDSFWEVGNVYKRTVKRIDDGHRLCNDLMSVCQERAKIEKAYAQQQLTDWAKRWRQLIEK GPQYGSLERAWGAMMTEADKVSLEHQEVKNSLLNEDLEKVKNWQKDAYHKQIMGGFKETKEAEDGFRKAQ KPWAKKMKLEAAKKAYHLACKEERLAMTREMNSKTEQSVTPEQQKLVKDKCRQDVQKTQEKYEKVL EDVGKTPQYMEGMEQVFEQCQQFEEKRLVFLKEVLLDIKRHLNLAENSSYMHVYRELEQAIRGADAQED LRWFRSTSGPGMPMNWPQFEWNPDLPHHTAKKEKQPKKAEGATLSNATGAVESTSQAGDRGSVSSYDRG QYATEWSSDDESGNPFGGNEANGGANPFEDDAKGVRVRLYDYGQEQDELFSKAGDELTKLGEDEQGW CRGRLDGSLGLYPANYVEAI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	50.6 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_035991
Locus ID:	23969



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UniProt ID: [Q61644](#), [Q3TYF2](#), [Q543Y7](#)

RefSeq Size: 4215

Cytogenetics: 17 A3.3

RefSeq ORF: 1326

Synonyms: A830061D09Rik; H74; mKIAA1379; syndapin

Summary: 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.[UniProtKB/Swiss-Prot Function]