

Product datasheet for **MC227722**

Pacsin1 (NM_001286743) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pacsin1 (NM_001286743) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pacsin1
Synonyms: A830061D09Rik; H74; mKIAA1379; syndapin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227722 representing NM_001286743
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGGCTCCTACGATGAGGCCTCAGAGGAGATCACAGATAGCTTCTGGGAGGTGGGAACTACAAGC
 GGACGGTGAAGCGCATCGACGATGGGCACCGCCTGTGCAACGACCTCATGAGCTGCGTGCAGGAGCGCGC
 CAAGATCGAGAAGGCATACGCGCAGCAGCTCACCGACTGGCCAAGCGCTGGCGCCAGCTCATCGAGAAA
 GGTCTCAGTATGGCAGCCTGGAGCGGGCGTGGGGCGCCATGATGACAGAAGCAGATAAGGTCAGCGAGC
 TGCACCAGGAGGTGAAGAACAGCCTGCTGAATGAGGACCTGGAGAAAGTCAAGAAGTGGCAGAAGGATGC
 CTATCACAAAGCAGATCATGGGTGGCTTCAAGGAGACGAAAAGAGGCCGAGGATGGCTTCCGAAAGGCCAG
 AAGCCCTGGGCTAAAAAGATGAAGGAGCTAGAGGGCGCCAAGAAGGCCTATCACTTGGCTTGAAGGAGG
 AAAGGCTGGCCATGACCCGGGAGATGAACAGTAAAGACAGAGCAGTCGGTCACCCCTGAACAGCAGAAGAA
 ACTTGTGGACAAAGTGGACAAAATGCAGACAGGATGTGCAAAGACTCAGGAGAAGTATGAGAAGGTGCTG
 GAAGATGTGGCAAGACCACACCACAGTACATGGAGGGCATGGAGCAGGTGTTTGAGCAGTGCCAGCAGT
 TTGAGGAGAAGCGGCTGGTCTTCTGAAGGAAGTCTGCTGGATATCAAACGGCATCTCAACCTACGGGA
 GAACAGCAGCTACATGCATGTCTACCGAGAACTGGAGCAGGCCATCCGGGGGCGGATGCCCAGGAGGAC
 CTCAGGTGGTTCCGCAGCACCAGTGCCCGGGATGCCATGAACTGGCCGAGTTCGAGGAGTGGAAACC
 CAGACCTCCCGCACACCACTGCCAAGAAGGAGAAAACAGCCTAAGAAGGCAGAGGGGGCCACCCTGAGCAA
 TGCCACTGGGGTGTAGAATCCACATCCAGGCTGGGGACCGTGGCAGTGTAGCAGCTATGACCGAGGC
 CAAACATATGCCACCGAGTGGTCAGACGATGAGAGCGGAAACCCCTTCGGGGCAATGAGGCCAATGGTG
 GCGCCAACCCCTTCGAGGATGATGCCAAGGGAGTTCGTGTACGGGCACTCTATGACTACGACGGTCAGGA
 GCAGGATGAGCTCAGCTCAAGGCCGAGATGAGCTACCAAGCTCGGAGAGGAAGACGAACAGGGTTGG
 TGCCGCGGGCGGCTGGACAGCGGACAGCTGGGCCTCTATCTGCCAACTACGTTGAGGCTATATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001286743
Insert Size:	1326 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001286743.1</u> , <u>NP_001273672.1</u>
RefSeq Size:	4250 bp
RefSeq ORF:	1326 bp
Locus ID:	23969
UniProt ID:	<u>Q61644</u>
Cytogenetics:	17 A3.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript. All variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>