

Product datasheet for **SC331329**

PACSIN1 (NM_001199583) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PACSIN1 (NM_001199583) Human Untagged Clone
Tag: Tag Free
Symbol: PACSIN1
Synonyms: SDPI
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331329 representing NM_001199583.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCCAGCTCCTACGATGAGGCCTCACTGGCCAGAGGAGACCACCGACAGCTTCTGGGAGGTGGGG
AACTACAAGCGGACCGTGAAGCGCATCGATGACGGCCACCGTCTATGCAACGACCTGATGAACTGCGTG
CAGGAGCGCGCCAAGATCGAGAAGGCGTACGGGCAGCAGCTCACCGACTGGGCCAAGCGTTGGGCCAG
CTCATCGAAAAGGCCACAGTATGGCAGCCTGGAGCGGGCTGGGGTGCATAATGACAGAGGCAGAC
AAGGTGAGCGAGCTGCACCAGGAGTGAAGAACAATCTGCTGAATGAGGACCTGGAGAAGGTGAAGAAC
TGGCAGAAGGACGCTATCACAAGCAGATCATGGGTGGCTTCAAGGAGACGAAGGAGGCTGAAGATGGC
TTCCGCAAGGCCAGAAGCCTTGGGCCAAGAAGATGAAGGAGCTGGAGGCAGCCAAGAAGGCCTACCAT
TTGGCTTGCAAAGAGGAAAAGCTGGCCATGACACGGGAGATGAACAGCAAGACGGAGCAATCGGTACAC
CCTGAGCAGCAAAAAGCTGCAGGACAAAAGTGGACAAGTGAAGCAGGATGTGCAGAAGACACAGGAG
AAGTATGAGAAAAGTGTGGAAGATGTGGCAAGACCACACCCAGTACATGGAGAACATGGAGCAGGTG
TTTGAGCAATGCCAGCAATTTGAGGAAAAGCGGCTGGTCTTCTCAAGGAGGTGCTGCTGGACATCAAA
CGGCACCTCAACCTGGCTGAGAACAGCAGCTACATCCATGTGTACCGTGAGCTGGAGCAGGCCATCCGG
GGGGCTGATGCCAGGAAGACCTCAGATGGTTCGCAGCACCAGTGGCCCCGGCATGCCATGAACTGG
CCCCAGTTTGAGGAGTGAACCCAGACCTTCTCACACCACCAAGAAGGAGAAACAGCCTAAGAAG
GCAGAGGGAGTGGCGCTGACCAATGCCACTGGGGCGGTAGAGTCCACATCCCAGGCTGGGGACCGCGGC
AGTGTTAGCAGCTACGACAGAGGCCAGCCCTACGCCACCGAGTGGTCAGACGACGAGAGTGGGAACCCC
TTTGGGGCAGTGAGACCAACGGGGGCGCCAACCCCTTTGAGGACGACTCCAAGGGAGTGCAGCTGCGG
GCACTCTACGACTATGACGGCCAGGAGCAGGACGAGCTCAGCTTTAAGGCCGGAGACGAACCTACCAAG
CTGGGCGAGGAGGATGAGCAGGGCTGGTCCGTGGGCGGCTGGACAGCGGGCAGCTGGGCCCTTACCTC
GCCAACTACGTGGAGGCTATCTAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001199583
Insert Size: 1335 bp



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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).
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:	NM_001199583.2
RefSeq Size:	4332 bp
RefSeq ORF:	1335 bp
Locus ID:	29993
UniProt ID:	Q9BY11
Cytogenetics:	6p21.31
Protein Families:	Druggable Genome
MW:	51 kDa
Gene Summary:	<p>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 (By similarity). Binds to membranes via its F-BAR domain and mediates membrane tubulation. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate 5' UTR exon and encodes the same protein as variant 1.</p>