

Product datasheet for **SC321414**

PACSIN2 (NM_007229) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACSIN2 (NM_007229) Human Untagged Clone
Tag:	Tag Free
Symbol:	PACSIN2
Synonyms:	SDPII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_007229.1
 CTGTCCCACTGGGCAGGTGCCTCTGACGGAGAGGAGGCGTCGTCGGGAAGTATGTGGCCG
 TGGCTGCTCTGGCATGATCCTGAAGACTGGCACGAAGGGGAATGGAGCCGCACAGAGAAT
 TTCAGGCATCAGAGGGGAAGCGCAGGTTTGTCTACAGATTTTGAGCGTTCGAAGTTGACC
 CCTGACTAAGTATACTTTGCTGCTCCCTCAGCCTTTGAAAAATGTCTGTACATATGAT
 GATTCCGTTGGAGTAGAAGTGTCCAGCGACAGCTTCTGGGAGGTGGGAACACTACAAGCGG
 ACTGTGAAGCGGATCGACGATGGCCACCGCCTGTGCAGCGACCTCATGAACTGCCTGCAT
 GAGCGGGCGGCATCGAGAAGGCGTATGCGCAGCAGCTCACTGAGTGGGCCCGGCCTGG
 AGGCAGCTCGTGGAGAAAAGGGCCCAAGTACGGGACCGTGGAGAAGGCCTGGATGGCCTTC
 ATGTCCGAGGCAGAGAGGGTGGAGCGAGCTGCACCTCGAGGTGAAGGCCTCACTGATGAAC
 GATGACTTCGAGAAGATCAAGAACTGGCAGAAGGAAGCCTTTCACAAGCAGATGATGGGC
 GGCTTCAAGGAGACCAAGGAAGCTGAGGACGGCTTTCGGAAGGCACAGAAGCCCTGGGCC
 AAGAAGCTGAAAGAGGTAGAAGCAGCAAGAAAGCCACCATGCAGCGTCAAAGAGGAG
 AAGCTGGCTATCTCACGAGAAGCCAACAGCAAGGCAGACCCATCCCTCAACCCTGAACAG
 CTCAGAAATGCAAGACAAAATAGAAAAGTGAAGCAAGATGTTCTTAAGACCAAGAG
 AAGTATGAGAAGTCCCTGAAGAACTCGACCAGGGCACACCCAGTACATGGAGAACATG
 GAGCAGGTGTTTGGAGTGCACGAGTTCGAGGAGAAACGCCTTCGCTTCTCCGGGAG
 GTTCTGCTGGAGTTTCAAGACCTAGACCTGTCCAATGTGGCTGGCTACAAAGCCATT
 TACCATGACCTGGAGCAGAGCATCAGAGCAGCTGATGCAGTGGAGGACCTGAGGTGGTTC
 CGAGCCAATCACGGGCCGGGCATGGCCATGAACTGGCCGAGTTTGGAGGTGGTCCGCA
 GACCTGAATCGAACCTCAGCCGGAGAGAGAAGAAGAAGGCCACTGACGGCGTCAACCCTG
 ACGGGCATCAACCAGACAGGCGACCAAGTCTGCGCAGTACAGTCCAGCTACAACCCCTTCGAGGAT
 GTCCCGAGCAACCCCGCCAGTCTGCGCAGTACAGTCCAGCTACAACCCCTTCGAGGAT
 GAGGACGACACGGGCAGCACCGTCAAGTGAAGGACGACACTAAGGCCAAAAATGTGAGC
 AGTACGAGAAGACCCAGAGCTATCCCACCGACTGGTCAGACGATGAGTCTAACAACCC
 TTCTCCTCCACGGATGCCAATGGGGACTCGAATCCATTGACGACGACGCCACCTCGGGG
 ACGGAAGTGCAGTCCGGGCCCTGTATGACTATGAGGGGCAGGAGCATGATGAGCTGAGC
 TTCAAGGCTGGGATGAGCTGACCAAGATGGAGGACGAGGATGAGCAGGGCTGGTGAAG
 GGACGCTTGGACAACGGCAAGTTGGCCTATACCCGGCAAATTATGTGGAGGCGATCCAG
 TGATGAGTCGGGACAGGCCAGCGGGGGACGGAGGCGGGGCCAGGAGCCTCAGCCA
 GCCACGTGGGCATCCACTCCTTTTCTGCAAGAGATGATGGTTCCATTGCTCTTGCTTC
 ATGGTGTCTCTGGAAGGCAGATGAGCTGGTCAATTCGCCTGGGACTCGGCACCTTTCCGA
 GTGCAGCTGGAGGGATCTGAGCGCAGGAAGACGCAAGCAACAGAAATAGCCGCCCTCC
 CCGCCACTGTGCCTGTTGGCCTATCATAGATCTCTATGTTCTTGACTTTGTCTCTCCTT
 TCCGAGTCAATGGTGGGTTACACTGATCTTGTCCACTGATTACTCTCTCTGACGAGTCC
 ATCACCTGCAACTAAATGAACAAGCTTACATCCATTTTGAAGTGAAGATTTTGAAGTTT
 TTAATTTAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_007229

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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_007229.1</u> , <u>NP_009160.1</u>
RefSeq Size:	3255 bp
RefSeq ORF:	1461 bp
Locus ID:	11252
UniProt ID:	<u>Q9UNF0</u>
Cytogenetics:	22q13.2
Domains:	FCH, SH3
Gene Summary:	<p>This gene is a member of the protein kinase C and casein kinase substrate in neurons family. The encoded protein is involved in linking the actin cytoskeleton with vesicle formation by regulating tubulin polymerization. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (A).</p>