

Product datasheet for **RC230164**

PACSIN2 (NM_001184970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACSIN2 (NM_001184970) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PACSIN2
Synonyms:	SDPII
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC230164 representing NM_001184970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGTACATATGATGATTCCGTTGGAGTAGAAGTGTCCAGCGACAGCTTCTGGGAGTTCGGGAAC
 ACAAGCGGACTGTGAAGCGGATCGACGATGGCCACCGCCTGTGCAGCGACCTCATGAACTGCCTGCATGA
 GCGGGCGCGCATCGAGAAGCGTATGCGCAGCAGCTCACTGAGTGGGCCCGCGCTGGAGGCAGCTCGTG
 GAGAAAGGGCCCCAGTACGGGACCGTGGAGAAGCCTGGATGGCCTTCATGTCCGAGGCAGAGAGGTGA
 GCGAGCTGCACCTCGAGGTGAAGCCTCACTGATGAACGATGACTTCGAGAAGATCAAGAAGTGGCAGAA
 GGAAGCCTTTCACAAGCAGATGATGGGCGGCTTCAAGGAGACCAAGGAAGCTGAGGACGGCTTTCGGAAG
 GCACAGAAGCCCTGGCCAAGAAGCTGAAAGAGGTAGAAGCAGCAAGAAAGCCACCATGCAGCGTGCA
 AAGAGGAGAAGCTGGCTATCTCACGAGAAGCCAACAGCAAGGCAGACCCATCCCTCAACCCTGAACAGCT
 CAAGAAATGCAAGACAAAATAGAAAAGTGAAGCAAGATGTTCTTAAGACCAAAGAGAAGTATGAGAAG
 TCCTGAAGGAATCGACCAGGGCACACCCAGTACATGGAGAACATGGAGCAGGTGTTTGAAGCAGTGCC
 AGCAGTTCGAGGAGAAACGCCTTCGCTTCTCCGGGAGGTTCTGCTGGAGTTTCAAGAAGCACCTAGACCT
 GTCCAATGTGGCTGGCTACAAAGCCATTTACCATGACCTGGAGCAGAGCATCAGAGCAGCTGATGCAGTG
 GAGGACCTGAGGTGGTCCGAGCCAATCACGGGCCGGCATGGCCATGAACTGGCCCGAGTTTGAGGAGT
 GGTCCGCAGACCTGAATCGAACCCCTCAGCCGGAGAGAGAAGAAGAAGGCCACTGACGGCGTCACCCTGAC
 GGGCATCAACCAGACAGGCGACCACTCTCTGCCGAGTAAAGCCAGCAGCACCCCTAATGTCCCGAGCAAC
 CCCGCCAGTCTGCGCAGTACAGTCCAGCTACAACCCCTTCGAGGATGAGGACGACACGGGACGACCCG
 TCAGTGAAGAAGGACGACACTAAGGCCAAAATGTGAGCAGCTACGAGAAGACCCAGAGCTATCCACCGA
 CTGGTCAGACGATGAGTCTAACAACCCCTTCTCTCCACGGATGCCAATGGGGACTCGAATCCATTCCGAC
 GACGACGCCACCTCGGGGACGGAAGTGCAGTCCGGGCCCTGTATGACTATGAGGGGACGAGCATGATG
 AGCTGAGCTTCAAGGCTGGGATGAGCTGACCAAGATGGAGGACGAGGATGAGCAGGGCTGGTGAAGGG
 ACGCTTGACAACGGCAAGTTGGCCTATACCCGGCAAATATGTGGAGGCGATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230164 representing NM_001184970
 Red=Cloning site Green=Tags(s)

MSVTYDDSVGVEVSSDSFWEVGNKRTVKRIDDGHRLCSDLMNCLHERARIEKAYAQQLEWARRWRQLV
 EKGPPQYGTVEKAWMAFMSEAERVSELHLEVKASLMNDDFEKIKNWQKEAFHKQMMGGFKETKEAEDGFRK
 AQKPWAKKLKEVEAAKKAHHAACKKEKLAISREANSKADPSLNPEQLKKLQDKIECKQDVLKTEKYEK
 SLKELDQGTTPQYEMENMEQVFEQCQQFEERLRFREVLLEVQKHLDL SNVAGYKAIYHDLEQSIRAADAV
 EDLRWFRANHGPGMAMNWPQFEESADLNRTL SRREKKKATDGVTLTGINQTGDQSLPSKPSSTLNVPSN
 PAQSAQSQSSYNPFEDDDTGSTVSEKDDTKAKNVSSYEKTQSYPTDWSDDSENNPFSSTDANGDSNPF
 DDATSGTEVRVRLYDYEQEHDEL SFKAGDEL TKMEDEDEQGCKGRLDNGQVGLYPANYVEAIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

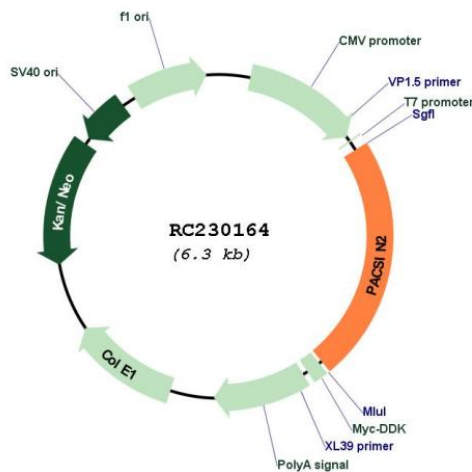
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001184970

ORF Size: 1458 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001184970.3](#)

RefSeq ORF: 1461 bp

Locus ID: 11252

UniProt ID: [Q9UNF0](#)

Cytogenetics: 22q13.2

MW: 56.2 kDa

Gene Summary: 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]