

Product datasheet for **RG230164**

PACSIN2 (NM_001184970) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PACSIN2 (NM_001184970) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PACSIN2
Synonyms:	SDPII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230164 representing NM_001184970
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGCACATATGATGATTCCGTTGGAGTAGAAGTGTCCAGCGACAGCTTCTGGGAGTTCGGAACT
 ACAAGCGGACTGTGAAGCGGATCGACGATGGCCACCGCCTGTGCAGCGACCTCATGAACTGCCTGCATGA
 GCGGGCGCGCATCGAGAAGCGTATGCGCAGCAGCTCACTGAGTGGGCCCGCGCTGGAGGCAGCTCGTG
 GAGAAAGGGCCCCAGTACGGGACCGTGGAGAAGCCTGGATGGCCTTCATGTCCGAGGCAGAGAGGTGA
 GCGAGCTGCACCTCGAGGTGAAGCCTCACTGATGAACGATGACTTCGAGAAGATCAAGAAGTGGCAGAA
 GGAAGCCTTTCACAAGCAGATGATGGGCGGCTTCAAGGAGACCAAGGAAGCTGAGGACGGCTTTCGGAAG
 GCACAGAAGCCCTGGCCAAGAAGCTGAAAGAGGTAGAAGCAGCAAGAAAGCCACCATGCAGCGTGCA
 AAGAGGAGAAGCTGGCTATCTCACGAGAAGCCAACAGCAAGGCAGACCCATCCCTCAACCCTGAACAGCT
 CAAGAAATGCAAGACAAAATAGAAAAGTGAAGCAAGATGTTCTTAAGACCAAGAGAAGTATGAGAAG
 TCCTGAAGGAAGCTGACCAAGGCACACCCAGTACATGGAGAACATGGAGCAGGTGTTTGAAGCAGTGCC
 AGCAGTTCGAGGAGAAACGCCTTCGCTTCTCCGGGAGGTTCTGCTGGAGGTTTCAAGAAGCACCTAGACCT
 GTCCAATGTGGCTGGCTACAAAGCCATTTACCATGACCTGGAGCAGAGCATCAGAGCAGCTGATGCAGTG
 GAGGACCTGAGGTGGTTCGAGCCAATCACGGGCCGGCATGGCCATGAACTGGCCCGAGTTTGAGGAGT
 GGTCCGCAGACCTGAATCGAACCCCTCAGCCGGAGAGAGAAGAAGAAGGCCACTGACGGCGTCACCCTGAC
 GGGCATCAACCAGACAGGCGACCACTCTCTGCCGAGTAAAGCCAGCAGCACCCCTAATGTCCCGAGCAAC
 CCCGCCAGTCTGCGCAGTACAGTCCAGCTACAACCCCTTCGAGGATGAGGACGACACGGGCAGCACCCG
 TCAGTGAGAAGGACGACACTAAGGCCAAAATGTGAGCAGCTACGAGAAGACCCAGAGCTATCCCACCGA
 CTGGTCAGACGATGAGTCTAACAACCCCTTCTCCTCCACGGATGCCAATGGGGACTCGAATCCATTCGAC
 GACGACGCCACCTCGGGACGGAAGTGCAGTCCGGGCCCTGTATGACTATGAGGGGCAGGAGCATGATG
 AGCTGAGCTTCAAGGCTGGGATGAGCTGACCAAGATGGAGGACGAGGATGAGCAGGGCTGGTGAAGGG
 ACGCTTGACAACGGCAAGTTGGCCTATACCCGGCAAATATGTGGAGGCGATCCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230164 representing NM_001184970
 Red=Cloning site Green=Tags(s)

MSVTYDDSVGVEVSSDSFWEVGNKRTVKRIDDGHRCLSDLMNCLHERARIEKAYAQQLEWARRWRQLV
 EKGFPQYGTVEKAWMAFMSEAERVSELHLEVKASLMNDDFEKIKNWQKEAFHKQMMGGFKETKEAEDGFRK
 AOKPWAKKLKEVEAAKKAHHAACKKEKLAISREANSKADPSLNPEQLKKLQDKIEKCKQDVLKTKKEYEK
 SLKELDQGTYPYMEQVFEQCQFEEKRLRFREVLLEVQKHLDSLNVAGYKAIYHDLEQSIRAADAV
 EDLRWFRANHGPGMAMNWPQFEWWSADLNRTLRSREKKKATDGVTLTGINQTDQSLPSKPSSTLNVPSN
 PAQSAQSQSSYNPFEDDDTGSTVSEKDDTKAKNVSSYEKTSYPTDWSDDENNPFSSDANGSNPFD
 DDATSGTEVRVRALYDIEGQEHDEL SFKAGDEL TKMEDEDEQGWCKGRLDNGQVGLYPANYVEAIQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



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 Size: 3305 bp

RefSeq ORF: 1461 bp

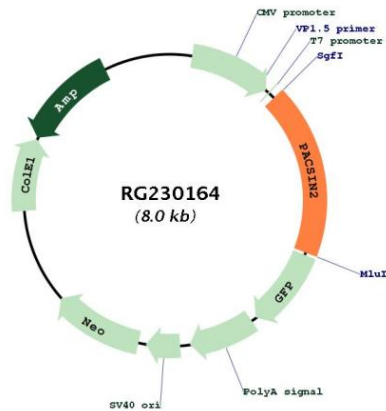
Locus ID: 11252

UniProt ID: [Q9UNF0](#)

Cytogenetics: 22q13.2

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]

Product images:



Circular map for RG230164