

Product datasheet for **RG230058**

PACSIN3 (NM_001184975) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PACSIN3 (NM_001184975) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PACSIN3
Synonyms: SDPIII
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230058 representing NM_001184975
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCAGAAGAGGACGCTGGAGGGGAGGCCTTAGGGGGCAGTTTCTGGGAGGCTGGCAACTACAGGC
 GCACGGTACAGCGGGTGGAGGACGGGCACCGGCTGTGCGGGACCTGGTCAGCTGCTCCAGGAGCGCGC
 CCGCATCGAGAAGGCTTATGCCACGAGTTGGCTGACTGGGCCGAAAGTGGAGGGGACCGTGGAGAAG
 GGCCCCAGTATGGCACACTGGAGAAGGCTGGCATGCCTTTTTACGGCGGCTGAGCGGCTGAGCGCGC
 TGCACCTGGAGGTGCGGGAGAAGCTGCAAGGGCAGGACAGTGGAGGGTGCAGCGCTGGCAGCGGGGGC
 TTTCCACCGGCTGTGCTGGGCGGCTTCCGCGAGAGCCGGCGGCGGAGGACGGCTCCGCAAGGCCAG
 AAGCCCTGGCTGAAGAGGCTGAAGGAGGTTGAGGCTTCCAAGAAAAGCTACCACGAGCCCGAAGGATG
 AGAAGACCGCCAGACGAGGGAGAGCCACGCAAAGGCAGACAGCGCGTCTCCAGGAGCAGCTGCGCAA
 ACTGCAGGAACGGGTGGAACGCTGTGCCAAGGAGGCCGAGAAGACAAAAGCTCAGTATGAGCAGACGCTG
 GCAGAGCTGCATCGCTACACTCCACGCTACATGGAGGACATGGAACAGGCCTTTGAGACCTGCCAGGCCG
 CCGAGCGCCAGCGGCTTCTTTTCTCAAGGATATGCTGCTCACCTTACACCAGCACCTGGACCTTTCCAG
 CAGTGAGAAGTTCCATGAACTCCACCGTGACTTGACACAGGGCATTGAGGCAGCCAGTACGAAGAGGAT
 CTGCGCTGGTGGCGCAGCACCCACGGGCCAGGCATGGCCATGAACTGGCCACAGTTCGAGGAGTGGTCCT
 TGGACACACAGAGGACAATCAGCCGAAAAGAGAAGGGTGGCCGGAGCCCTGATGAGGTTACCCCTGACCAG
 CATTGTGCTTACAAGAGATGGCACCCGACCCCCACCCAGTCCCCGGGGTCCCCAGGCACGGGGCAGGAT
 GAGGAGTGGTCAGATGAAGAGAGTCCCCGGAAGGCTGCCACCGGGTTCGGGTGAGGGCACTCTATGACT
 ACGCTGGCCAGGAAGCTGATGAGCTGAGCTTCCGAGCAGGGGAGGAGCTGCTGAAGATGAGTGAGGAGGA
 CGAGCAGGGTGGTGCCAAGGCCAGTTGCAGAGTGGCCGATTGGCTGTACCCTGCCAACTACGTGGAG
 TGTGTGGCGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG230058 representing NM_001184975
 Red=Cloning site Green=Tags(s)

MAPEEDAGGEALGGSFWEAGNYRRTVQRVEDGHRLCGDLVSCFQERARIEKAYAQQQLADWARKWRGTVEK
 GPQYGTLEKAWHAFFTAERLSALHLEVREKLQGDSESRVRAWQRGAFHRPVLGGFRESRAAEDGFRKAQ
 KPWLKRLKEVEASKKSYHAARKDEKTAQTRESHAKADSAVSQEQLRKLQERVERCAKEAEKTKAQYEQTL
 AELHRYTPRYMEDMEQAFETCQAAERQLLFFKDMLLTLHQHLDLSSSEKFHELHRDLHQGIEAASDEED
 LRWWRSTHGPGMAMNWPQFEWSLDTQRTISRKEKGGSPDEVTLTISIVPTRDGTAPPPQSPGSPGTGQD
 EEWSDEESPRKAATGVRVRLYDYAGQEADELSFRAGEELLKMSEEDEQGCQGLQSGRIGLYPANYVE
 CVGA

TRTRPLE - GFP Tag - V

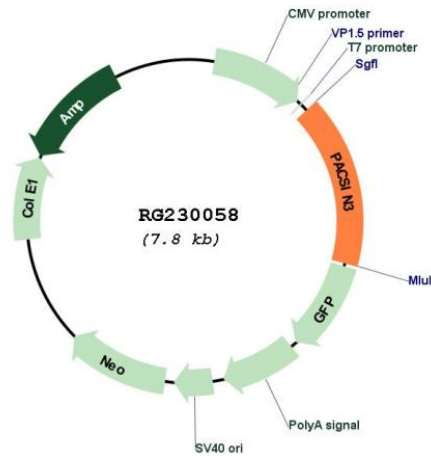
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001184975

ORF Size:	1272 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:	<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_001184975.1 , NP_001171904.1
RefSeq Size:	2046 bp
RefSeq ORF:	1275 bp
Locus ID:	29763
UniProt ID:	Q9UKS6
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome
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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]