

Product datasheet for **MC227627**

Pacsin3 (NM_001289677) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pacsin3 (NM_001289677) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pacsin3
Synonyms: 4921507A02Rik; 6330413E15Rik; AW413130
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227627 representing NM_001289677
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCAGAGGAGGACGCCGGAGGGGAGGTCTAGGGGGCAGTTTCTGGGAGGCTGGCAACTACAGAC
 GGACGGTGCAGAGGGTTGAGGATGGGCACAGGCTGTGTGGGACCTGGTTAGCTGCTCCAAGAACGTGC
 CCGCATTGAGAAGGCCTACGCCAGCAGCTGGCTGACTGGGCCCGCAAGTGGAGGGGTGCTGTGGAGAAG
 GGCCACAGTACGGCACCTGGAGAAGGCTGGCATGCCTTCTCACTGCGGCTGAGAGGCTGAGCGAGC
 TGCACTTGGAGGTGAGGGAGAAGTTGCACGGTCCAGACAGCGAGCGAGTGCAGGACCTGGCAGCGAGGGGC
 TTTCCACCGGCCAGTGTGGGGGCTTTTCGGAAAGCCGGGCTGCAGAGGATGGTTCCGTAAAGCTCAG
 AAGCCCTGGCTAAAGAGGCTGAAGGAGGTTGAGGCTTCTAAGAAGAGCTACCACACAGCCCGCAAGGATG
 AGAAGACAGCCCAGACCCGGGAGAGCCACGCGAAGGCAGACAGCTCCATGTCCCAGGAGCAGCTTCGAAA
 ATTACAGGAGCGGGTGGGCCGCTGCACCAAGGAGGCAGAGAAGATGAAAACCCAGTATGAGCAGACCCTG
 GCCGAGCTAAATCGCTACACCCACGCTACATGGAGGACATGGAGCAGGCTTTTGAGAGCTGCCAGGCTG
 CTGAGCGCCAGCGGCTTCTTTCTCAAGGATGTCTTGCTCACCTGCATCAACACCTCGACCTCAGGAT
 TAGCGACAAGTTCCATGAACTCCATCGAGACCTGCAGCAGAGCATTGAGGCTGCCAGTGAAGAGGAT
 CTGCGCTGGTGGCGGAGCACACCGGCCCTGGCATGGCCATGAACTGGCCACAGTTTGAGGAATGGTCGT
 TAGACACACAGAGAGCCATCAGCCGCAAGGAGAAGGGTGGCCGGAGCCAGATGAGGTTACTCTGACCAG
 CATTGTACCGACAAGAGATGGCACCCGACCCCCACCCAGTCCCCATCGTCCCGGGTAGCGGGCAGGAC
 GAGGACTGGTCAGATGAGGAGAGTCCCCGAAAGTTGCCACTGGGGTGGGGTACGGGCGCTTTATGACT
 ATGCTGGCCAGGAGGCTGATGAGCTGAGCTTCCGAGCAGGGGAAGAGTTGCTGAAGATGAGCGAGGAGGA
 TGAGCAGGGCTGGTGCCAGGGCCAGCTGCAGAGTGGCCGATTGGTCTGTACCCTGCCAATTACGTAGAA
 TGTGTGGGCGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001289677
Insert Size:	1275 bp
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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001289677.1</u> , <u>NP_001276606.1</u>
RefSeq Size:	1865 bp
RefSeq ORF:	1275 bp
Locus ID:	80708
UniProt ID:	<u>Q99JB8</u>
Cytogenetics:	2 E1
Gene Summary:	<p>Plays a role in endocytosis and regulates internalization of plasma membrane proteins. Overexpression impairs internalization of SLC2A1/GLUT1 and TRPV4 and increases the levels of SLC2A1/GLUT1 and TRPV4 at the cell membrane. Inhibits the TRPV4 calcium channel activity.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 through 4 encode the same protein.</p>