

## Product datasheet for **MC227628**

### **Pacsin3 (NM\_001289678) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Pacsin3 (NM\_001289678) 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:** >MC227628 representing NM\_001289678  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCCAGAGGAGGACGCCGGAGGGGAGGTCTAGGGGGCAGTTTCTGGGAGGCTGGCAACTACAGAC  
 GGACGGTGCAGAGGGTTGAGGATGGGCACAGGCTGTGTGGGGACCTGGTTAGCTGCTCCAAGAACGTGC  
 CCGCATTGAGAAGGCCTACGCCAGCAGCTGGCTGACTGGGCCCGCAAGTGGAGGGGTGCTGTGGAGAAG  
 GGCCACAGTACGGCACCTGGAGAAGGCTGGCATGCCTTCTTCACTGCGGCTGAGAGGCTGAGCGAGC  
 TGCACTTGGAGGTGAGGGAGAAGTTGCACGGTCCAGACAGCGAGCGAGTGCAGGACCTGGCAGCGAGGGGC  
 TTTCCACCGGCCAGTGTGGGGGCTTTTCGGAAAGCCGGGCTGCAGAGGATGGTTTCCGTAAGAGCTCAG  
 AAGCCCTGGCTAAAGAGGCTGAAGGAGGTTGAGGCTTCTAAGAAGAGCTACCACACAGCCCGCAAGGATG  
 AGAAGACAGCCCAGACCCGGGAGAGCCACGCGAAGGCAGACAGCTCCATGTCCCAGGAGCAGCTTCGAAA  
 ATTACAGGAGCGGGTGGGCCGCTGCACCAAGGAGGCAGAGAAGATGAAAACCCAGTATGAGCAGACCCTG  
 GCCGAGCTAAATCGCTACACCCACGCTACATGGAGGACATGGAGCAGGCTTTTGAGAGCTGCCAGGCTG  
 CTGAGCGCCAGCGGCTTCTTCTTCAAGGATGTCTTGTCCACCTGCATCAACACCTCGACCTCCTCCAG  
 TAGCGACAAGTTCCATGAACTCCATCGAGACCTGCAGCAGAGCATTGAGGCTGCCAGTGATGAAGAGGAT  
 CTGCGCTGGTGGCGGAGCACACCGGCCCTGGCATGGCCATGAACTGGCCACAGTTTGAGGAATGGTCGT  
 TAGACACACAGAGAGCCATCAGCCGCAAGGAGAAGGGTGGCCGGAGCCAGATGAGGTTACTCTGACCAG  
 CATTGTACCGACAAGAGATGGCACCGCACCCCCACCCAGTCCCCATCGTCCCGGGTAGCGGGCAGGAC  
 GAGGACTGGTCAGATGAGGAGAGTCCCCGAAAGTTGCCACTGGGGTGGGGTACGGGCGCTTTATGACT  
 ATGCTGGCCAGGAGGCTGATGAGCTGAGCTTCCGAGCAGGGGAAGAGTTGCTGAAGATGAGCGAGGAGGA  
 TGAGCAGGGCTGGTGCCAGGGCCAGCTGCAGAGTGGCCGATTGGTCTGTACCCTGCCAATTACGTAGAA  
 TGTGTGGGCGCCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001289678
<b>Insert Size:</b>	1275 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001289678.1</a></u> , <u><a href="#">NP_001276607.1</a></u>
<b>RefSeq Size:</b>	1864 bp
<b>RefSeq ORF:</b>	1275 bp
<b>Locus ID:</b>	80708
<b>UniProt ID:</b>	<u><a href="#">Q99JB8</a></u>
<b>Cytogenetics:</b>	2 E1
<b>Gene Summary:</b>	<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 (3) differs in the 5' UTR, compared to variant 1. Variants 1 through 4 encode the same protein.</p>