

## Product datasheet for **MC216657**

### **Pacsin2 (NM\_001159510) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pacsin2 (NM_001159510) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pacsin2
Synonyms:	A1197433
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216657 representing NM\_001159510  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCTGTGCACCTACGATGACTCTGTGGGAGTGAAGTGTCCAGCGACAGCTTCTGGGAGTTGGGAACT  
 ACAAACGGACTGTGAAGCGGATTGACGATGGCCACCGCCTGTGTGGTACCTCATGAACTGTCTGCATGA  
 GCGGGCACGCATCGAGAAGCGTATGCACAGCAGCTCACTGAGTGGGCCGACGCTGGAGGCAGCTGGTA  
 GAGAAGGGACCACAGTATGGGACCGTGGAGAAGGCCTGGATAGCTGTCTGTAAGCAGAGAGGGTGA  
 GTGAACTGCACCTGGAAGTGAAGGCATCACTGATGAATGAAGACTTTGAGAAGATCAAGAAGTGGCAGAA  
 GGAAGCCTTTCACAAGCAGATGATGGGAGGCTTCAAGGAGACCAAGAAGCAGAGGATGGCTTTCGGAAG  
 GCCCAGAAGCCCTGGGCCAAGAAGCTGAAAGAGGTGGAAGCGGCAAGAAGGCGCACCACACAGCGTGCA  
 AAGAGGAGAAGCTGGCCATCTCCCGGAAGCCAACAGCAAGGCAGATCCATCCCTCAACCCTGAGCAGCT  
 GAAGAACTGCAAGACAAGATAGAAAAATGCAAAACAGGACGTTCTAAAGACCAAGGACAAGTATGAGAAG  
 TCCTGAAAGGAGCTTGATCAGACCACACCCAGTACATGGAGAACATGGAGCAGGTGTTGAGCAGTGCC  
 AGCAGTTTGAAGAGAAGCGCCTGCGCTTCTCCGGGAGGTTCTGCTGGAGTTTGAAGCACTTGGATCT  
 GTCCAATGTGGCTAGCTATAAAACCATTTACCGGGAGCTGGAGCAGAGCATCAAAGCAGCAGATGCGGTA  
 GAGGACCTGAGGTGGTCCGGGTAACCATGGCCAGGCATGGCTATGAACTGGCCACAGTTTGAGGAGT  
 GGTCTGCAGATCTGAATCGAACTCTCAGCCGGAGAGAGAAGAAGAAGGCTGTTGACGGTGTCAACCCTAAC  
 AGGGATCAACCAGACAGGTGACCACTGAGCAGACAAGCCTGGCAGCAACCTTAGTGTCCCGAGCAAC  
 CCCGCCAGTCCACGCAGTTACAGTCCAGCTACAACCCCTTCGAGGACGAGGACGACACGGGCAGCAGCA  
 TCAGTGAGAAGGAGGACATTAAGGCCAAAAATGTCAGCAGCTATGAGAAGACTCAGACTTACCCACTGA  
 CTGGTCTGATGATGAGTCTAACAAACCTTCTCCTCCACGGATGCCAACGGGGATTTCGAACCCATTGAT  
 GAGGACACGACCTCAGGAACAGAAGTGCAGGTTGCGGCCCTCTATGACTATGAGGGGCAGGAACATGATG  
 AGCTGAGCTTCAAGGCTGGGATGAACTGACCAAGATAGAGGATGAAGATGAACAGGGTTGGTGAAGGG  
 ACGTTTACAGCAGCGCCAGGTTGGCCTATACCCAGCCAATATGTCGAGGCTATCCAGTGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001159510

**Insert Size:** 1461 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).

**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\\_001159510.1](#), [NP\\_001152982.1](#)

RefSeq Size: 3644 bp

RefSeq ORF: 1461 bp

Locus ID: 23970

UniProt ID: [Q9WVE8](#)

Cytogenetics: 15 E1

**Gene Summary:** Lipid-binding protein that is able to promote the tubulation of the phosphatidic acid-containing membranes it preferentially binds. Plays a role in intracellular vesicle-mediated transport. Involved in the endocytosis of cell-surface receptors like the EGF receptor, contributing to its internalization in the absence of EGF stimulus. May also play a role in the formation of caveolae at the cell membrane. Recruits DNM2 to caveolae, and thereby plays a role in caveola-mediated endocytosis.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.