

Product datasheet for **MC216656**

Pacsin2 (NM_001159509) Mouse Untagged Clone

Product data:

| | |
|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Pacsin2 (NM_001159509) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pacsin2 |
| Synonyms: | A1197433 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

Fully Sequenced ORF: >MC216656 representing NM_001159509
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGCACCTACGATGACTCTGTGGGAGTGAAGTGTCCAGCGACAGCTTCTGGGAGTTGGGAACT
 ACAAACGGACTGTGAAGCGGATTGACGATGGCCACCGCCTGTGTGGTACCTCATGAACTGTCTGCATGA
 GCGGGCACGCATCGAGAAGCGTATGCACAGCAGCTCACTGAGTGGGCCCGACGCTGGAGGCAGCTGGTA
 GAGAAGGGACCACAGTATGGGACCGTGGAGAAGGCCTGGATAGCTGTCTGTAAGCAGAGAGGGTGA
 GTGAACTGCACCTGGAAGTGAAGGCATCACTGATGAATGAAGACTTTGAGAAGATCAAGAAGTGGCAGAA
 GGAAGCCTTTCACAAGCAGATGATGGGAGGCTTCAAGGAGACCAAGAAGCAGAGGATGGCTTTCGGAAG
 GCCCAGAAGCCCTGGGCCAAGAAGCTGAAAGAGGTGGAAGCGGCAAGAAGGCGCACCACACAGCGTGCA
 AAGAGGAGAAGCTGGCCATCTCCCGGAAGCCAACAGCAAGGCAGATCCATCCCTCAACCCTGAGCAGCT
 GAAGAACTGCAAGACAAGATAGAAAAATGCAAAACAGGACGTTCTAAAGACCAAGGACAAGTATGAGAAG
 TCCTGAAAGGAGCTTGATCAGACCACACCCAGTACATGGAGAACATGGAGCAGGTGTTGAGCAGTGCC
 AGCAGTTTGAAGAGAAGCGCCTGCGCTTCTCCGGGAGGTTCTGCTGGAGTTTGAAGCACTTGGATCT
 GTCCAATGTGGCTAGCTATAAAACCATTTACCGGGAGCTGGAGCAGAGCATCAAAGCAGCAGATGCGGTA
 GAGGACCTGAGGTGGTCCGGGCTAACCATGGGCCAGGCATGGCTATGAACTGGCCACAGTTTGAGGAGT
 GGTCTGCAGATCTGAATCGAACTCTCAGCCGGAGAGAGAAGAAGAAGGCTGTTGACGGTGTCAACCCTAAC
 AGGGATCAACCAGACAGGTGACCACTGAGCAGACAAGCCTGGCAGCAACCTTAGTGTCCCGAGCAAC
 CCCGCCAGTCCACGCAGTTACAGTCCAGCTACAACCCCTTCGAGGACGAGGACGACACGGGCAGCAGCA
 TCAGTGAGAAGGAGGACATTAAGGCCAAAAATGTCAGCAGCTATGAGAAGACTCAGACTTACCCACTGA
 CTGGTCTGATGATGAGTCTAACAACCTTCTCCTCCACGGATGCCAACGGGGATTTCGAACCCATTGAT
 GAGGACACGACCTCAGGAACAGAAGTGGCGATTCGGGCCCTCTATGACTATGAGGGGCAGGAACATGATG
 AGCTGAGCTTCAAGGCTGGGGATGAACTGACCAAGATAGAGGATGAAGATGAACAGGGTTGGTGAAGGG
 ACGTTTAGACAGCGGCCAGGTTGGCCTATACCCAGCCAATATGTCGAGGCTATCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001159509

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_001159509.1](#), [NP_001152981.1](#)

RefSeq Size: 3693 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 (2) represents use of an alternate promoter and 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.