

Product datasheet for **MG207795**

Pacsin2 (NM_011862) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pacsin2 (NM_011862) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pacsin2
Synonyms:	A1197433
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207795 representing NM_011862
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGCACCTACGATGACTCTGTGGGAGTGGAAAGTGTCCAGCGACAGCTTCTGGGAGTTGGGAACT
 ACAAACCGACTGTGAAGCGGATTGACGATGGCCACCGCCTGTGTGGTACCTCATGAAGTGTCTGCATGA
 GCGGGCACGCATCGAGAAGCGTATGCACAGCAGCTCACTGAGTGGGCCCGACGCTGGAGGCAGCTGGTA
 GAGAAGGGACACAGTATGGGACCGTGGAGAAGGCCTGGATAGCTGTCTGTAAGCAGAGAGGGTGA
 GTGAAGTGCACCTGGAAGTGAAGGCATCACTGATGAATGAAGACTTTGAGAAGATCAAGAAGTGGCAGAA
 GGAAGCCTTTCACAAGCAGATGATGGGAGGCTTCAAGGAGACCAAGAAGCAGAGGATGGCTTTCGGAAG
 GCCCAGAAGCCCTGGGCCAAGAAGCTGAAAGAGGTGGAAGCGGCAAGAAGGCGCACCACACAGCGTGCA
 AAGAGGAGAAGCTGGCCATCTCCCGGAAGCCAACAGCAAGGCAGATCCATCCCTCAACCCTGAGCAGCT
 GAAGAACTGCAAGACAAGATAGAAAAATGCAAAACAGGATGTTCTAAAGACCAAGGACAAGTATGAGAAG
 TCCTGAAAGGAGCTTGATCAGACCACACCCAGTACATGGAGAACATGGAGCAGGTGTTGAGCAGTGCC
 AGCAGTTTGAAGAGAAGCGCCTGCGCTTCTCCGGGAGGTTCTGCTGGAGGTTGAGAAGCACTTGGATCT
 GTCCAATGTGGCTAGCTATAAAACCATTTACCGGAGCTGGAGCAGAGCATCAAAGCAGCAGATGCGGTA
 GAGGACCTGAGGTGGTCCGGGCTAACCATGGGCCAGGCATGGCTATGAACTGGCCACAGTTTGAGGAGT
 GGTCTGCAGATCTGAATCGAACTCTCAGCCGGAGAGAGAAGAAGAAGGCTGTTGACGGTGTCAACCCTAAC
 AGGGATCAACCAGACAGGTGACCACTGAGCAGACAAGCCTGGCAGCAACCTTAGTGTCCCGAGCAAC
 CCCGCCAGTCCACGCAGTTACAGTCCAGCTACAACCCCTTCGAGGACGAGGACGACACGGGCAGCAGCA
 TCAGTGAGAAGGAGGACATTAAGGCCAAAAATGTCAGCAGCTATGAGAAGACTCAGACTTACCCCACTGA
 CTGGTCTGATGATGAGTCTAACAACCCCTTCTCCTCCACGGATGCCAACGGGGATTGCAACCCATTTGAT
 GAGGACACGACCTCAGGAACAGAAGTGGCAGTTGCGGCCCTCTATGACTATGAGGGGCAGGAACATGATG
 AGCTGAGCTTCAAGGCTGGGATGAACTGACCAAGATAGAGGATGAAGATGAACAGGGTTGGTGAAGGG
 ACGTTTAGACAGCGGCCAGGTTGGCCTATACCCAGCCAATATGTCGAGGCTATCCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207795 representing NM_011862
 Red=Cloning site Green=Tags(s)

MSVTYDDSVGVEVSSDSFWEVGNKYKRTVKRIDDGHRLCGDLMNCLHERARIEKAYAQQLEWARRWRQLV
 EKGFPQYGTVEKAWIIVMSEAERVSELHLEVKASLMNEDFEKIKNWQKEAFHKQMMGGFKETKEAEDGFRK
 AOKPWAKKLKEVEAAKKAHHTACKKEKLAISREANSKADPSLNPEQLKKLQDKIEKCKQDVLKTKDKYK
 SLKELDQTTTPQYMEVMEQVFEQCQVFEEKRLRFREVLLEVQKHLDL SNVASYKTIYRELEQSIIAADAV
 EDLRWFRANHGPGMAMNWPQFEWESADLNRTL SRREKKKAVDGVTLTGINQTDQSGQNKPGSNLSVPSN
 PAQSTQLQSSYNPFEDDDTGSSEKEDIKAKNVSSYEKTQTYPTDWSDDDESNNPFSSTDANGSNPFD
 EDTTSGTEVRVRALYDYEGQEHDEL SFKAGDELTKIEDEDEQGWCKGRLD SGQVGLYPANYVEAIQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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_011862.1](#), [NP_035992.1](#)

RefSeq Size: 3217 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]