

Product datasheet for **MR222565**

Pacsin2 (NM_001159509) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR222565 representing NM_001159509
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGCACCTACGATGACTCTGTGGGAGTGAAGTGTCCAGCGACAGCTTCTGGGAGTTGGGAAC
 ACAAACCGACTGTGAAGCGGATTGACGATGGCCACCGCCTGTGTGGTACCTCATGAACTGTCTGCATGA
 GCGGGCACGCATCGAGAAGCGTATGCACAGCAGCTCACTGAGTGGGCCCGACGCTGGAGGCAGCTGGTA
 GAGAAGGGACCACAGTATGGGACCGTGGAGAAGCCTGGATAGCTGTCATGTCTGAAGCAGAGAGGGTGA
 GTGAACTGCACCTGGAAGTGAAGGCATCACTGATGAATGAAGACTTTGAGAAGATCAAGAAGTGGCAGAA
 GGAAGCCTTTCACAAGCAGATGATGGGAGGCTTCAAGGAGACCAAGAAGCAGAGGATGGCTTTCGGAAG
 GCCCAGAAGCCCTGGGCCAAGAAGCTGAAAGAGGTGGAAGCGCAAGAAGGCGCACCACACAGCGTGCA
 AAGAGGAGAAGCTGGCCATCTCCCGGAAGCCAACAGCAAGGCAGATCCATCCCTCAACCCTGAGCAGCT
 GAAGAACTGCAAGACAAGATAGAAAAATGCAAAACAGGATGTTCTAAAGACCAAGGACAAGTATGAGAAG
 TCCTGAAGGAGCTTGATCAGACCACACCCAGTACATGGAGAACATGGAGCAGGTGTTTCGAGCAGTGCC
 AGCAGTTTGAAGAGAAGCGCCTGCGCTTCTCCGGGAGGTTCTGCTGGAGTTTGAAGCACTTGGATCT
 GTCCAATGTGGCTAGCTATAAAACCATTTACCGGAGCTGGAGCAGAGCATCAAAGCAGCAGATGCGGTA
 GAGGACCTGAGGTGGTCCGGGTAACCATGGGCCAGGCATGGCTATGAACTGGCCACAGTTTGAGGAGT
 GGTCTGCAGATCTGAATCGAACTCTCAGCCGGAGAGAGAAGAAGAAGGCTGTTGACGGTGTCAACCCTAAC
 AGGGATCAACCAGACAGGTGACCACTGAGCAGAAAGCCTGGCAGCAACCTTAGTGTCCCGAGCAAC
 CCCGCCAGTCCACGCAGTTACAGTCCAGCTACAACCCCTTCGAGGACGAGGACGACACGGGCAGCAGCA
 TCAGTGAAGAAGGAGACATTAAGGCCAAAAATGTCAGCAGCTATGAGAAGACTCAGACTTACCCACTGA
 CTGGTCTGATGATGAGTCTAACACCCCTTCTCCTCCACGGATGCCAACGGGATTTCGAACCCCATTTGAT
 GAGGACACGACCTCAGGAACAGAAGTGCAGGTTTCGGGCCCTCTATGACTATGAGGGGCAGGAACATGATG
 AGCTGAGCTTCAAGGCTGGGATGAACTGACCAAGATAGAGGATGAAGATGAACAGGGTTGGTGAAGGG
 ACGTTTAGACAGCGGCCAGGTTGGCCTATACCCAGCCAATATGTCGAGGCTATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222565 representing NM_001159509
 Red=Cloning site Green=Tags(s)

MSVTYDDSVGVEVSSDSFWEVGNKRTVKRIDDGHRLCGDLMNCLHERARIEKAYAQQLEWARRWRQLV
 EKGPPQYGTVEKAWIAVMSEAERVSELHLEVKASLMNEDFEKIKNWQKEAFHKQMMGGFKETKEAEDGFRK
 AQKPWAKKLKEVEAAKKAHHTACKEEKLAISREANSKADPSLNPEQLKKLQDKIEKCKQDVLKTKDKYK
 SLKELDQTTTPQYMEQVFEQCQQFEERLRFREVLLEVQKHLDSLNVASYKTIYRELEQSIKAADAV
 EDLRWFRANHGPGMAMNWPQFEESADLNRTLNRREKKKAVDGVTLTGINTGDQSGQNKPGSNLSVPSN
 PAQSTQLQSSYNPFEDDDTGSSISEKEDIKAKNVSSYEKTQTYPTDWSDDDESNNPFSSTDANGDSNPF
 EDTTSGTEVRVRALDYEQEHDEL SFKAGDEL TKIEDEDEQGWCKGRLDSGQVGLYPANYVEAIQ

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

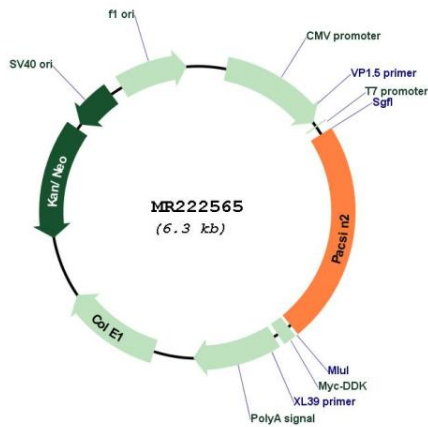
SgfI-MluI

Cytogenetics: 15 E1

MW: 55.8 kDa

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]

Product images:



Circular map for MR222565