

Product datasheet for **RR201533**

Pacsin2 (NM_130740) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pacsin2 (NM_130740) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pacsin2
Synonyms:	Sdpl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201533 representing NM_130740
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGTGCACCTACGATGATTCTGTGGGAGTGAAGTGTCCAGCGACAGCTTCTGGGAGTTCGGAACT
 ACAAACGGACTGTGAAGCGGATTGATGATGGCCACCGCCTGTGTGGTACCTCATGAACTGTTTGCACGA
 GCGGGCACGTATCGAGAAGGCATATGCACAGCAGCTCACTGAGTGGGCCCGACGCTGGAGACAGCTTGTA
 GAGAAGGGACCACAGTATGGGACCGTGGAGAAGCCTGGATGGCTGTCATGTCTGAGGCAGAGAGAGTGA
 GCGAGCTACACCTGGAAGTGAAGGCATCACTGATGAACGAAGACTTTGAGAAGATCAAGAAGTGGCAGAA
 GGAAGCCTTTCAAGCAGATGATGGGAGGCTTCAAGGAGACCAAGGAAGCAGAGGATGGCTTCGGAAG
 GCCCAGAAGCCCTGGCCAAGAAGCTGAAAGAGGTGGATGCGGCAAGAAAGCACACCACACAGCGTGCA
 AAGAGGAGAAGCTGGCCGCTCCCGGGAAGCCAACAGCAAAGCAGATCCATCCCTCAACCCTGAGCAGCT
 GAAGAAATGCAAGACAAGATAGAAAAGTCAAGCAGGACGTTCTAAAGACCAAGGACAAGTATGAGAAG
 GCCTGAAGGAGCTTGACCAGACTACACCGCAGTACATGGAGAACATGGAGCAGGTGTTTCGAGCAGTGCC
 AGCAGTTTGAAGAGAAGCGCCTGCGCTTCTCCGAGAGGTTCTGCTGGAGTTTCAGAAGCACTTGGACCT
 GTCCAATGTGGCTAGCTACAAAGGCATTTACCGGAGCTGGAGCAGAGCATCAAAGCAGCTGATGCTGTG
 GAGGACCTGAGGTGGTCCGAGCTAACCATGGGCCAGGCATGGCTATGAACTGGCCACAGTTTGAGGAGT
 GGTCTGCAGATCTGAATCGAACTCTCAGCCGAAGAGAGAAGAAGAAGGCTGCTGATGGTGTCAACCCTAAC
 AGGAATCAACCAGACAGGTGACCACTGAGCAGACAAGCCTAGCAGCAACCTTAGTGTCCCGAGCAAC
 CCCGCCAGTCCACGCAGTTACAGTCCAGCTACAACCCCTTCGAGGACGAGGACGACACGGGCAGCAGCG
 TCAGTGAGAAGGAGGACATTAAGGCCAAAAATGTCAGCAGCTATGAGAAGACTCAGAATTACCCCGCTGA
 CTGGTCTGATGATGAGTCTAACAACCCCTTCTCCTCCACGGATGCCAATGGGGACTCTAACCCTTTGAC
 GAGGACACTACCTCAGGAACAGAAGTGGCAGTTCGAGCCCTCTATGACTATGAGGACAAGAACACGATG
 AGCTGAGCTTCAAGGCTGGGGATGAGCTGACCAAGATAGAGGATGAAGATGAACAGGGTTGGTGAAGGG
 ACGTTTAGACAGTGGCCAGGTTGGCCTATACCCAGCCAATATGTCGAGGCTATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201533 representing NM_130740
 Red=Cloning site Green=Tags(s)

MSVTYDDSVGVEVSSDSFWEVGNKYKRTVKRIDDGHRLCGDLMNCLHERARIEKAYAQQLEWARRWRQLV
 EKGPPQYGTVEKAWMAVMSEAERVSELHLEVKASLMNEDFEKIKNWQKEAFHKQMMGGFKETKEAEDGFRK
 AQKPWAKKLKEVDAAKKAHHTACKEEKLAVSREANSKADPSLNPEQLKKLQDKIEKCKQDVLKTKDKYEK
 ALKELDQTPQYEMENMEQVFEQCQQFEERLRFREVLLEVQKHLDL SNVASYKGIYRELEQSIKAADAV
 EDLRWFRANHGPGMAMNWPQFEESADLNRTL SRREKKAADGVTLTGINQTGDQSGQNKPSNL SVPSN
 PAQSTQLQSSYNPFEDDDTGSSVSEKEDIKAKNVSSYEKTQNYPADWSDDESNNPFSSDANGDSNPF
 EDTTSGTEVRVRLYDYEQEHDEL SFKAGDELTKIEDEDEQGWCKGRLD SGQVGLYPANYVEAIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

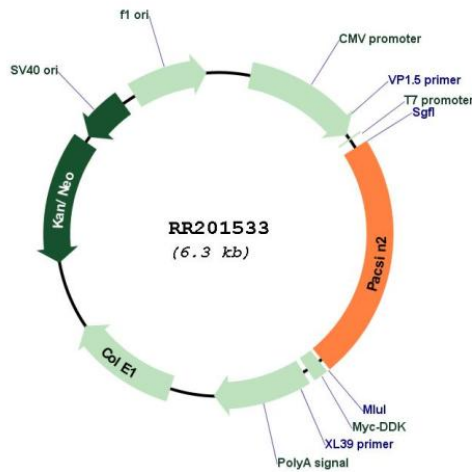
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_130740

ORF Size: 1458 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_130740.2](#), [NP_570096.2](#)

RefSeq Size: 3200 bp

RefSeq ORF: 1461 bp

Locus ID: 124461

UniProt ID: [Q9QY17](#)

Cytogenetics: 7q34

MW: 55.7 kDa

Gene Summary: splice variant of syndapin II; may play a role in endocytosis and organization of the actin cytoskeleton [RGD, Feb 2006]