

Product datasheet for **RR200549**

Prdm4 (NM_133312) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prdm4 (NM_133312) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prdm4
Synonyms:	SC-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR200549 representing NM_133312
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGACATGAACTTGAGCCAGTGGGGATGGAGCAGCTGTCTTCATCCTCTGTGAGCAATGCCCTGC
 CAGTCTCAGGAAGTACCTGGGTCTGGCTGCCTCTCCCTCTCACAGTGCCATCCCTGCCCCAGGACTTCC
 AGTGGCAATCCAAACCTCGGTCCCTCCCTGAGCTCTCTGCCTTCTGCCTTGTCTCTGATGCTCCCATG
 GGCATTGGAGATCGAGGAGTAATGTGTGGGTTACCTGAAAGAACTATACCCTACCTCCACCACCTTACC
 CTCACCTAGAGAGCAGTTACTTCAGAACCATTCTACCTGGCATTATCTTATTTAGCTGACAGACCACC
 TCCTCAGTATATCCACCCAACTCTATAAATGTTGATGGAATACAGCATTATCTATCACAACAACCTT
 TCGGCACTAGATCCCTATCAGGCCAATGGAATGTTGGATTAGAAGTGGCATTGTTTCAATAGACTCTC
 GCTCTGTAACACTCATGGTGCCCAAAGCTTTCATCCTAATGATGGCCACGAAGTAGCATTGGACACAAC
 AATCACTATGGAGAATGTCTCTAGGTTACCAGCCAATCTCCACAGACGGAATGGCAGAGGAATTACA
 ATGGATGGAGTACAGGAGAACATCCAGATCCCAAATGGCTCCAGAAGTCATGAACCCCTCTCTGTGG
 ATTCTGTGAGCAACAACCTTACAGCTGACACTGTAGGACATGGTGGTGTGATACCCATTATGGGAATGG
 TCTGGAGCTTCCAGTGGTCATGGAGACAGACCATTGCAAACCGGGTCAATGGGATATCTGACAGCGTC
 CTCAGTGATTCCATCCACACCGTGGCCATGAGCACCAACTCTGTAAGCGTGGCATTCTACCTCACACA
 ACTTCGCCTCCCTAGAATCTGTTCCCTCCAGGAAGTTGGCTTAGCCTAGAGCCTGTGGCTGTCTTTC
 CATCACCAGGAAGTTGCCATGGGGACAGGTCTGTAGATGTATCCTCAGACAGCTTGTCTTTGTACCA
 TCTTCACTGCAAAATGGAAGACTCCAATTCAAACAAGGAAAACATGGCAACCTGTTTACAATTTGGTGCA
 CGCTTTGTGACCGAGCATACCCCTCAGATTGCCCTGATCATGGACCAGTACTTTGTTCTCTGATACACC
 AATAGAGAGCAGAGCAAGACTATCCCTCCCGAAGCAGCTTGTCTCCGCCAGTCCATTGTGGGGACAGAT
 GTTGGCGTGTGGACTGCAGAGACCATCCCGTGCAGGACTTGTCTCGGCCCTTAATTGGCCAGCAGAGTC
 ACTCCATGGAAGTGGCGGAGTGGACAGACAAGGCCGTTAGCCACGTCTGGAAGATATACCACAATGGCGT
 CCTAGAATTCTGCATCATTACAACCGATGAGAATGAGTGAATTGGATGATGTTTGTGCGCAAAGCCAGG
 AACCGTGAAGAACAGAATTTGGTGGCTTATCCCATGATGGAAAATCTATTTCTGTACCTCACAAGACA
 TCCCTCCTGAAAACGAGCTGCTTTCTATTATAGCCGGGATTATGCTCAACAGATAGGTGTTCTGAACA
 CCCCAGTGTGCACCTCTGTAACGTGGCAAGGAGTGCAGTTCCTATTAGAGTTCAAAGCTCACCTGACC
 AGCCATATCCACAATCATCTCCCTAGCCAGGGCCACAGCAGCAGCCATGGCCAAGCCACAGCAAGGAAA
 GGAAGTGAAGTGTCCATGTGCCCCAGGCCTTTATTTCTCTTCTAAACTCCACGTTCACTTTATGGG
 TCATATGGGCATGAAGCCCCACAAGTGTGATTTTTGTAGCAAGGCTTTTAGTGATCCAAGCAACCTACGG
 ACACACCTCAAAATACATACAGGTGAGAAGAATTACAGGTGACTTTGTGTGACAAGTCTTTCACGCAGA
 AGGCTCACTTGGAGTCTCACATGGTCAATCCACACGGGTGAGAAGAATCTCAAGTGTGATTACTGTGACAA
 GCTATTCATGCGGAGACAGGACCTCAAGCAGCATGTGCTCATCCACACAAGAAGCCAGATCAAGTGT
 CCGAAGTGTGATAAACTGTTCTGAGAACAACCACTTGAAGAAGCATCTCAACTCTCACGAGGGAAGAC
 GAGACTATGTCTGTGAGAAATGCACAAAGGCTTACCTAACCAAGTACCACCTCACCCGCCACCTGAAGGC
 CTGCAAGGAGCCCGCCTCCAGCTCCTCCGCCAGGACGATGAGGACGAGGACGGGGACTCGGGGGAAGAC
 GGTCTCCAGGCTCCATGACGACAGAGGGCTGCAGGATGAGCAGTGTCTTTACTCAGCAGATGAGTCTC
 TCTCCGCACATAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR200549 representing NM_133312
 Red=Cloning site Green=Tags(s)

MNDMNLSPVGMEQLSSSSVSNALPVSGSHLGLAASPSHSAIPAPGLPVAIPNLGPSLSSLPSALSLMLPM
 GIGDRGVMCGLPERNYTLPPPPYPHLESSYFRTILPGILSYLADRPPPQYIHPNSINVDGNTALSITNNP
 SALDPYQANGNVGLELGIVSIDSRSVNTHGAQSLHPNDGHEVALDTTITMENVSRVTSPISTDGMAEELT
 MDGVTGEHSQIPNGRSRHEPLSVDSVSNL TADTVGHGGVPIIHNGLELPVVMETDHIANRVNGISDSV
 LSDSIHTVAMSTNSVSVALSTSHNFASLESVSLQEVGLSLEPVAVSSITQEVAMGTGHVDVSSDSL SFVP
 SSLQMEDSNSNKENMATLFTIWCTLCDRAYPSDCPDHGPVTFVPDTPIESRARLSL PKQLVLRQSI VGTD
 VGVWTAETIPVRTCFGPLIGQQSHSMEVAEWTDKAVSHVWKIYHNGVLEFCIITTDENECSNMMFVRKAR
 NREEQNLVAYPHDGKIYFCTSQDIPPENELLFYYSRDYAQQIGVPEHPDVHLCNCGKECSSYSEFKAHLT
 SHIHNHLP SQGHSSSHGPHSKERKWKCSMCQAFISPSKLHVHFMGHMGMPHKCDFCSKAFSDPSNLR
 THLKIHTGQKNYRCTLCDKSFTQKAHLESHMVIHTGEKNL KCDYCDKLFMRRQDLKQHVLIHTQERQIKC
 PKCDKFLRTNHLKKHLNSHEGRRDYVCEKCTKAYLTKYHLTRHLKACKEP ASSSSAQDDEDEDGDSGED
 GLPGSMTTEGCRMSSAVYSADESLSAHK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_133312

ORF Size: 2394 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_133312.1](#), [NP_579846.1](#)

RefSeq Size: 2555 bp

RefSeq ORF: 2397 bp

Locus ID: 170820

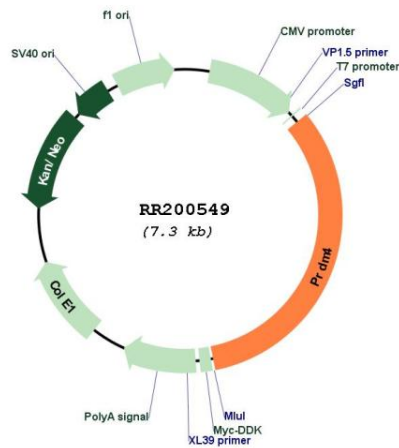
UniProt ID: [Q9QZP2](#)

Cytogenetics: 7q13

MW: 87.4 kDa

Gene Summary: binds the cytoplasmic domain of the p75 neurotrophin receptor; may play a role in growth arrest [RGD, Feb 2006]

Product images:



Circular map for RR200549