

Product datasheet for **RR207849**

Smarcd3 (NM_001011966) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smarcd3 (NM_001011966) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Smarcd3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR207849 representing NM_001011966
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTCCAGGTGTT**CAGCACCCACCCACCGTGGTACAGCGCCCCGGGATGCCGTCTGGAGCCC**GAATGC
 CCCACCAGGGGGCGCCATGGGGCCCCCGGGCTCCCCGTACATGGGCAGCCCCCGCGGTACGACCCGGCCT
 GGCCCCCGCGGGCATGGAGCCCGCCCGCAAGCGAGCAGCGCCCCCGCGGGCAGAGCCAGGCACAAGGC
 CAGGGCCAGCCGGT**GCCACCGCCCAGCGCGGAGCCGCAGTGCCAAGAGGAGGAAGATGGCTGACAAAA**
 TCCTCCCTCAAAGGATTCGGGAGCTGGTCCCTGAGTCCAGGCTTACATGGACCTCCTAGCATTTGAGAG
 GAAACTGGATCAAACCATTATGCGGAAGCGGTGGACATCCAGGAGGCCCTGAAGAGGCCATGAAGCAA
 AAGCGAAAGCTGCGCCTTATATCTCCAATACTTTAAACCCCGCAAGCCCGATGCCGAAGATTCTGATG
 GCAGCATTGCCTCCTGGGAGCTGCGGGTGGAGGGGAAGCTCTTGATGATCCAGTAAGCAGAAGAGGAA
 GTTTTCTCCTTCTCAAGAGTTTGGTCATTGAGTTGGACAAAGACCTTTATGGCCAGACAACCCACCTT
 GTTGAGTGGCACCGGACCCACAACCCAGGAGACAGATGGGTTCCAAGTGAAGAGACCAGGGGACTTGA
 GTGTGCGCTGTACCCTGCTCCTGATGCTGGACTATCAGCCTCCCCAGTTCAAACCTGGACCCCGCTTGGC
 CCGGCTGCTGGGGTTGCATACGCAGAGCCGCTCAGCCATTGTCCAGGCACTGTGGCAGTACGTGAAGACC
 AACAGGCTACAGGACTCCCATGACAAGGAATACATCAATGGAGACAAGTATTTCCAGCAGATTTTGGACT
 GTCCCCGCTGAAGTTTTCTGAGATTCACAGCGTCTCACAGGCTGTGCTTCTCCTGACCCCATTTGT
 GATCAACCATGTCATCAGCGTGGACCCATCAGACCAGAAGAAGACCGCGTGTATGACATTGATGTGGAG
 GTGGAGGAACCACTGAAGGGCAGATGAGCAGCTTTCTCCTGTCCACCGCAACCAGCAGGAGATCAGTG
 CTCTGGACAGTAAGATCCATGAGACCATTGAGTCCATAAATCAGCTCAAGATCCAGAGGGGATTCATGCT
 AAGTTTTCTCAGAGACCCAAAGGCTACGTCCAAGACCTGCTCCGCTCCAGAGCCGTGATCTCAAGGTG
 ATGACAGATGTGGCCGGTAACCCCGAGGAAGAGCGCCGGGCTGAGTTCTACCACCAGCCCTGGTCCAGG
 AAGCTGTCAGCCGCTACTTCTACTGTAAGATCCAGCAGCGCAGGAGGCTGGAGCAGTCACTAGTTGT
 GCGCAACACC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207849 representing NM_001011966
 Red=Cloning site Green=Tags(s)

MSPGVQHPPTVVQRPGMPSGARMPHQGAPMGPPGSPYMGSPAVRPGLAPAGMEPARKRAAPPPGQSQAQG
 QGQPVPTAPARSRSARRKMKADKILPQRIRELVPEAQAYMDLLAFERKLDQTIMRKRVDIQEALKRPMKQ
 KRKLRLYISNTFNPAPKDAEDSDGSIASWELRVEGKLLDDPSKQKRKFSFFKSLVIELDKDL YGPDNHL
 VEWHRTPTTQETDGFQVKRPGDLSVRCTLLLMLDYQPPQFKLDPRLARLLGLHTQSRSAIVQALWQYVKT
 NRLQDSDHKEYINGDKYFQQIFDCPRLKFSEIPQRLTGLLLPPDPVIVINHVISVDPDQKKTACYDIDVE
 VEEPLKGMSSFLLSTANQQEISALDSKIHETIESINQLKIQRDFMLFSRDPKGYVQDLLRSQSRDLKV
 MTDVAGNPEEERRAEFYHQPSQEAVSRYFYCKIQRRQELEQSLVVRNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001011966

ORF Size: 1410 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_001011966.1](#), [NP_001011966.1](#)

RefSeq Size: 1700 bp

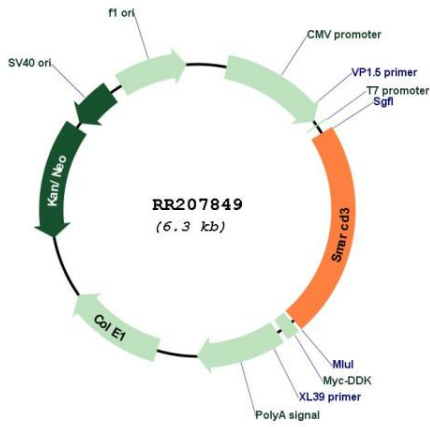
RefSeq ORF: 1413 bp

Locus ID: 296732

Cytogenetics: 4q11

MW: 53.6 kDa

Product images:



Circular map for RR207849