

Product datasheet for **RR215315**

Scd (NM_139192) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scd (NM_139192) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Scd
Synonyms: Scd1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215315 representing NM_139192
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCGGCCACATGCTCCAAGAGATCTCCAGTTCCTACACGACCACCACTACCATCACAGAGCCTCCT
CCGAAACCTGCAGAATGGACGAGAGAAGATGAAGAAGGTGCCCTCTATCTGGAAGAAGACATCCGTCC
TGAAATGAGAGAAGATATCCACGACCCAGCTACCAGGATGAGGAGGGGCCCCGCCAAGCTGGAGTAC
GTCTGGAGGAACATCATCCTCATGGCCCTGCTGCACGTGGGAGCCCTGTACGGGATCACACTGATCCCT
CCTCCAAGGTCTACACCTTGCTCTGGGGATATTTTACTACCTTATCAGTGCCCTGGGCATCACAGCCGG
GGCTCATCGCCTGTGGAGCCACAGGACTTACAAGGCTCGGCTGCCCTGAGGATCTTCTCATCATTGCC
AACACCATGGCGTTCAGAACGATGTGTATGAATGGGCCCGGGATCACCGCGCCACCACAAGTTCTCTG
AGACACACGCGACCCCTCACAACCCCAGCGTGGCTTTTCTCTCACGTGGTTGGCTGCTTGTGCG
CAAACACCCGGCTGTCAAAGAGAAGGGCGAAAGCTGGACATGTCTGACCTGAAAGCTGAGAAGCTGGTG
ATGTTCCAGAGGAGTACTACAAGCCTGGCTCCTGCTCATGTGCTTATCCTGCCACACTGGTCCCT
GGTACTGTGGGCGAACTTTCTGCACAGCCTGTTTCGTCAGCACCTTCTTGAGATACACTGTGGTCT
CAACGCCACCTGGCTGGTGAACAGCGCTGCCACCTCTATGGGTATCGCCCTACGACAAGAATTCAA
TCTCGGGAGAACATCCTGGTTTCCCTGGGTGCCGTGGGCGAGGGCTTCCACAACCTACCATCACGCCTTCC
CCTACGACTACTCTGCCAGTGAGTACCGCTGGCACATCAACTTACCACGTTCTTTCATCGACTGCATGGC
TGCCCTGGGCTGGCTTACGACCGGAAAAAGTTTCTAAGGCCGCTGTCTTAGCCAGGATTAAGAGAAT
GGAGATGGGAGCCACAAGAGTAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215315 representing NM_139192
 Red=Cloning site Green=Tags(s)

MPAHLQEISSSYTTTTTITEPPSGNLQNGREKMKVPLYLEEDIRPEMREDIHDPYQDEEGPPPKEY
 VWRNIILMALLHVGALYGITLIPSSKVYTLWGIFYLLISALGITAGAHRLWSHRTYKARLPLRIFLIIA
 NTMAFQNDVYEWARHRAHHKFKSETHADPHNSRRGFFFSHVGWLLVRKHPAVKEKGGKLDMSDLKAEKLV
 MFQRRYYKPGLLLMCFILPTLVPWYCWGETFLHSLFVSTFLRYTLVNLATWLVNSAAHLYGYRPYDKNIQ
 SRENILVSLGAVGEGFHNYHAFPYDYSASEYRWHINF TFF IDCMAALGLAYDRKKVSKAAVLAIRIKRT
 GDGSHKSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

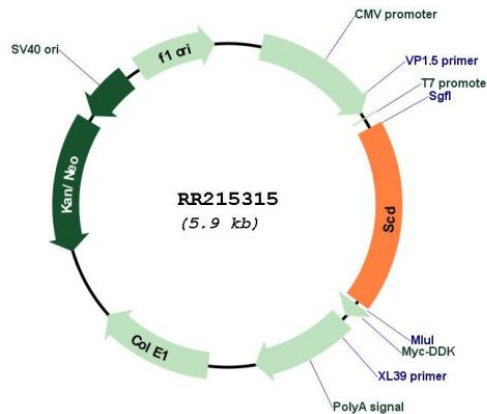
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_139192

ORF Size:	1074 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:	<ol style="list-style-type: none">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_139192.2 , NP_631931.2
RefSeq Size:	4475 bp
RefSeq ORF:	1077 bp
Locus ID:	246074
UniProt ID:	P07308
Cytogenetics:	1q54
MW:	41.5 kDa
Gene Summary:	enzyme involved in the synthesis and regulation of unsaturated fatty acids [RGD, Feb 2006]