

Product datasheet for **RR216238**

Sco1 (NM_001173374) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sco1 (NM_001173374) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sco1
Synonyms: RGD1559538
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR216238 representing NM_001173374
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTCTTGTACGGTTAGCGGTGGTGCCTCACAGTGTGCCAGCTTTGGCATCTGTTCCCTCGCG
GCCATGGGCTCAGGGGTATGGCGGAGAGGCCGAGACCGGAGGAGGCGCGCTGCTCCCTGGGGAGCCGAAA
CTTCAGCGCCAGGCCGCCACCGCGGTGCCGGCCGAGCCCAAGGGCAGTCAAGCGGGTCTCACCGC
CCGAAGCTTGGCCTGTTCTTGAAGTCTTAGCACTCACTTTTCCATTGGAGGATCTTTATTGGCTG
GAATGAAGTACTCAAGAAAGAGAAGATAGAAAAGCTGGAGAAACAGCGCATCGCAGCATTGGGAAGCC
TTTACTAGGGGACCATTTCCCTCACAACCTACAATGGAGAGCCAAAACCTGACAAGGACTTCCTGGGT
CAATGGGTATTGATTTATTTGGCTTCACTCATTGCCCTGATATCTGTCCAGAAGAACTGAAAAAATGA
TTGAAGTTGTGGAGGAAATAGACAGTATTCATCCCTGCCAAATTTAACTCCACTTTTCATCACCATTGA
CCCAGAAAGGGACACAAAAGAAGCCATCGCAACTATGTGAAAGAATTTCTCCCAAATTTGGTTGGTTTG
ACTGGCACAAAGGAAGAGATTGATGGAGTGCCAGAGCATACAGGGTGTATTACAGTCTGGCCCTAAGG
ACGAGGATGAGGACTACATAGTGATCATAAATAATGTACTTGATTGGACCAGATGGAGAATTTCT
TGATTATTTGGACAAAACAAGAAGAAGGCAGAAATAGCTGGCTCAATAGCTGCACATATGAGGTCACAC
ATGAGGAAGAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216238 representing NM_001173374
 Red=Cloning site Green=Tags(s)

MAALVRLAVVRSQCRQLWHLFPRGHGLRGMAERPRPEEARCSLGSRNFSARPPPPGAGPEPKGSQAGSHR
 PKLGPVSWKSLALTF AIGGSLLAGMKYFKKEKIEKLEKQRHRSIGKPLLGGPFSLTTHNGEPKTDKDFLG
 QWVLIYFGFTHCPDICPEEELKMIIEVVEEIDSIPSLPNLTPLFITIDPERDTKEAIATYVKEFSPKLVLG
 TGTKEEIDGVARAYRVYVSPGPKDEDEDYIVDHTIIMYLIGPDGEFLDYFGQNKKAIEIAGSIAAHMRSH
 MRKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001173374

ORF Size: 852 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_001173374.1](#), [NP_001166845.1](#)

RefSeq Size: 1600 bp

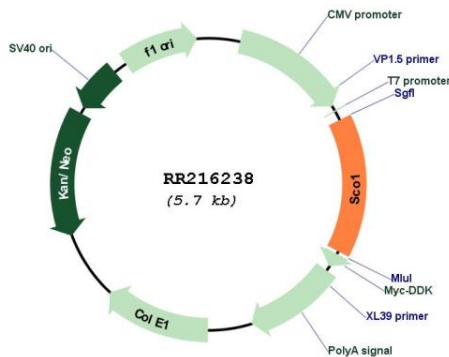
RefSeq ORF: 855 bp

Locus ID: 497930

Cytogenetics: 10q24

MW: 31.8 kDa

Product images:



Circular map for RR216238