

Product datasheet for **MR210288**

Scml2 (BC056382) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scml2 (BC056382) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scml2
Synonyms:	4932420G07Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR210288 representing BC056382
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCAAACAGCGAATGAAGATCATTTTGACTGGGACAAGTACTTGAAGAGACTGGATCGATAAGTG
CTCCTTCTGAATATTTTCAGACAGTCTAAGACTCCACCACTAATGAATCAAATTTGGTATGAAATTTGGA
AGCCCGTGACCCTCGCAATATTGATTCGGTGTGTGTTGCTTCGGTCATTGGAATTAAGGAGCCAGGTTA
CGTCTACGACTGGATGGTAGTACAATAAGAATGATTTTTGGAGACTTGTGGATTCATCAGACATAACAAC
CTGTTGGGACGTGAACAAGGAGGAGATTTACTTCAGCCTCCACTGGGGTACACACTGAATACTTCATC
ATGGCCCATGTTCTTACTACGTGTAATACTGGATCTGAACTGGCATCTGCAGTGTCTTTAAGGAGGAA
CCACCAGTCCACTCCAAAATAATTTATAGTTGGGATGAAGATTGAAGCTGTCGATAGAAAAATCCAT
TTATGATCTGTCCTGCCACAATTGGAGCTGTCTGTGGAGATCACTTCATATCACTTTTGTGGATGGAG
TGGAGCATTTGATTATTGGTGTGACTATGACTCCCGAGACATCTCCAGTTGGATGGTGTGCCTCACA
GGAGATGTATTACAGCCACCAGGAAAAATTTGTTAAAAAGACCAAGGCGCAAAGAAGAACCCAGACTAT
GGAGACTTAGAAGTCTCTTTTGGGAAATGAAGAAGAGGCCCCAGCTGCAGAAGAACCTGGGACCAGTGT
ACTTACTTTTGGAGATGAAAACAGAAGCTTTGAAAGATTGCCGAGGAGAAGCTGCAGAAGAACCTGGGACC
AGTGCATTTACTTTTGGAGATGAAAACAGAAGCTTTGAAAGATTGCCAAGGAGGTTGGAAAAACCAAGG
GCAGAGGATTCATCAAACCTGGAAAAGATGAAACCAGACTGGGAAACATGACCAAGGAGCCCAAGCTGG
GAAAAACCCAGGGCAGAGGATTCACCAACCTTTGGAAGATGAAGCCAGACCAGGAAGAGATGTCAA
GTAGCCCCAGCTGAGAAAAACGCAAGGGCAAAACAGTACCACACCTTGGACTGAGGATCCCAGACTTT
TTGCAGATCAAGGAGATGCCCCAGCTGAGAAAAACGCAAGGGCAAAACAGTACCACACCTTGGACTGA
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TTGTGCAACCAAGTACCAAGACCAGCAAGAAAGCAGGAAAATCTAAGTCTACTGGAATACTTCATCCCC
TAAGAAGGGCATTACTATTAATTTGTCCTACCAAGAAAAAGGGTGGAAAGTCTGGAAAAAAGGAAAA
AAGTATCCAGTTATTTCTTCTACATCTTCAGCTTCTTTAAGTACTGATGAAAAGTTCTTCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210288 representing BC056382
 Red=Cloning site Green=Tags(s)

MGQTANEDHFDWDKYLKETGSISAPSEYFRQSKTPPTNEFKIGMKLEARDPRNIDSVCVASVIGITGARL
 RLRLDGSNDKDFWRLVDSSDIQPVGTCEQGGDLLQPPLGYTLNTSSWPMFLLRVLTGSELASAVFFKEE
 PPRPLQNNFIVGMKIEAVDRKNPFMICPATIGAVCGDQLHITFDGWSGAFDYWCDYDSRDIFPVGWCRLL
 GDVLPQPPKIVEKRPRRRRRLWRLRTALLGNEEEAPAAEEPSTSVLTFGDENRTLKDCRGEAAEEPST
 SAFTFGDENRTLKDCQGGWKKPKGRGFIKPGKDETRPGKHDQGAPAGKKPRGRGFTQPLEDEARPGRDVQ
 VAPAEKKRKGKTVTPWTEPRFLFADQGDAPAEKKRKGKTVTPWTEPRFLFADQGDAPAEKKRKGKTVT
 TPWTEPRFLFADQGAAPAEKKRKGKTVTPWTEPRFLFADQGDAPAEKKRKGKTVTPWTEPRFLFADQ
 DAPAEKKRKGKTVTPWTEPRFLFADQGAAPAEKKRKGKTVTPWTEPRFLFADQGDAPAEKKRKGKT
 TPWTEPRFLFADQGDAPAEKKPKGRVTKSRKDQAQFLADEEAMPALFSALSVSSTERTPPSSSEQPKSS
 TSGKTKTSRGAQTSRKSPPKTSVVPVPKTSKKAGKSKSTGNTSSPKKGITIKIVLPKKKGGKSGKKGK
 KYSSYFFYIFSFFKYTDEKFFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

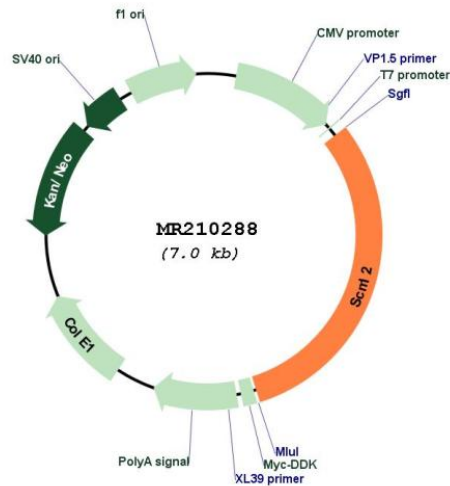
Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: BC056382

ORF Size: 2166 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: [BC056382.1](#)

RefSeq Size: 3890 bp

RefSeq ORF: 2168 bp

Locus ID: 107815
Cytogenetics: X F4
MW: 142.6 kDa