

Product datasheet for **MG219064**

Scml4 (NM_172938) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scml4 (NM_172938) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scml4
Synonyms:	9330161D17; mFLJ00197
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219064 representing NM_172938 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACACAGAGGGTGCCAGGGAGGAAACGTGGCCGGCCTCCACTTCACTCCACACGGGTGCAGATGG
CCGTCCATAACCTCTATTCTGCTTCTGCTGCTCTGTGCCAGCAGTGACAATCCCAAAGAAGAGAGGACG
GAAGCCCAGGTACAAGATCAAGTCTCCAGTGTCTCATGACTCCCTTGGCCCTGTACCTCCACGGAGTACC
CCGGAACCCGATCTCAGCTCCATCCCTCAGGATGCAGCCACCATTCCCAGCCTGGTGGTCCCAGAGGCTC
TCACAGTATGCCCTACATAAACAAACAGGCCGATGTGGGGCCGTACCTGGAGAGGAGGAAGCTACAGCA
GCTTCCGAGCGCCTGGGACCTGAGCGGCCGCCACCGTCTGCAGCAGGCGGTGCAAGCATGCATCGAT
TGTGCGCACCCAGCCTCGGCTGGTCTTCCCTCGTCAAGCAGGGATACCGAGGCGAGCTGGTGTCTAGTCT
CTGCTTCTTCGATGAAAGCAGCACTTGGAGTCTGCCTGTGGTGAACAGTGTGGGCTATGTCCTCCG
TTTCTGACCAAACCTGTGCCGACCTCCTGTGTGACAACCTTTCAGCCACCTGCCTTTCCCGGGAGC
ATCGGCGCCTCTGACAAGGCGCAGGAGAGAGAGGATGGGAGGACTGAGTCAGCCAAGGTAGCCACGGCTG
AAGAGTGTCTGGCAAACGCAGTGGGCATGAACCGCTACGCCATGGACTTAGCCACAGGGGCTCCGTAAC
CCACTTCTCTCACTGTACAAGAGGCTGACCTGCGGAGACAGCCACCTTGCCGGAGGCCCGCCACCACC
ACCAGTGGTTCCCGCACCAACCTGTTCCCTCTGGAGTTTCGTCGTACCTGGACTGAGGCTGCCAGCTC
CCAGCCCCAAGAGGAATGGAACAGCCATCGAAGGAAACAGATGTGCCCGAGCCCCTCTCCGGAGGTGCA
GGATACCAAGGCGACCAAGCAGCAGAAACCTTCTACCTGGACCGTGGAGGACGTGGTCCGGTTTGTGAAA
GATGCTGATCCCGAGGCTCTGGGACCTCATGTGGAGCTCTCAGAAAGCACGAGATTGATGGCAATGCCT
TGTTGTTGCTGAGGAGCGACATGATCATGAAGTACCTGGGACTGAAGCTGGGACCCGCACTGAAACTCTG
CTATCACATTGACAAGCTAAAGCAAGCTAAATTC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219064 representing NM_172938
 Red=Cloning site Green=Tags(s)

MQTQRVPGRKRGRPLHSTRVQMAVHNLYSASAASVPAVTIPKKRGRKPRYKIKSPVLMTPLALSPPRST
 PEPDLSSIPQDAATIPSLVVPEALTVCLYINKQADVGPYLERRKLQQLPERLGPERPATVLQAVQACID
 CAHQPRLVFSLVKQGYRGELVSVSASFDGKQHLRSLPVVNSVGYVLRFLTKLCSRLLCDNLFSHLPFPGS
 IGASDKAQEREDGRTESAKVATAEECLANAVGMNRYAMD FSHRGSVTHSSSLYKRLTCGD SHLAGGPATT
 TSGSRTNPVPSGGSSPGLRPLASSPKRNGTAIEGNRCAPSPSPEVQDTRRPSSRN PSTWTVEDVVR FVK
 DADPEALGPHVELFRKHEIDGNALLLLRSDMIMKYLGLKLGPA LKLCYHIDK LKQAKF

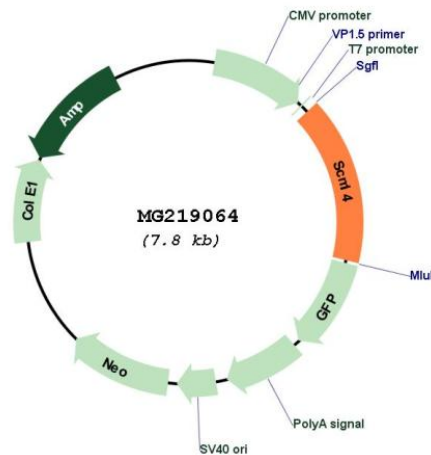
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172938

ORF Size:	1224 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_172938.3 , NP_766526.3
RefSeq Size:	4745 bp
RefSeq ORF:	1227 bp
Locus ID:	268297
UniProt ID:	Q80VG1
Cytogenetics:	10 B2
Gene Summary:	Putative Polycomb group (PcG) protein. PcG proteins act by forming multiprotein complexes, which are required to maintain the transcriptionally repressive state of homeotic genes throughout development (By similarity).[UniProtKB/Swiss-Prot Function]