

Product datasheet for **RG214112**

SCML1 (NM_001037535) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SCML1 (NM_001037535) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SCML1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214112 representing NM_001037535
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGAAAAATGAGGTTTACGAGACATTCTCCTACCCTGAAAGTTACAGCCCCACTTTACCAGTGTCAA
 GGCGTGAGAATAATCCCCGAGCAACCTTCCAAGGCCATCCTTTTGCATGGAAGAATACCAGCGAGCTGA
 GCTGGAGGAGGACCCGATCCTCAGCCGCACTCCGAGTCCAGTGCATCCCTCAGATTTCTCTGAGCATAAT
 TGTCAGCCGATATTATGCATCTGATGGTGAACGTATGGTCTTCTTCAGGGCTCTGCCTTGGCAACCCTC
 GGGCTGACAGCATCCACAACACTTACTCACTGACCATGCTTCTGCAGCACCACCTTCAGTTACAAGGTC
 ACCAGTTGAAAAATGACGGTTACATAGAGGAAGGAAGCATCACTAAGCACCCCTCAACCTGGTCGGTGGAA
 GCAGTGGTCTATTTCTAAAACAAACAGATCCTCTGCATTATGCCCTCTTGTGACCTCTTCAGAAGCC
 ATGAAATTGACGGGAAGGCTCTGCTCCTACTCACGAGTGACGTGTTGCTGAAGCACTTGGGGTGAAGCT
 GGGAACGGCTGTGAAGCTATGCTACTACATTGACCGACTTAAACAAGGAAAATGCTTTGAAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214112 representing NM_001037535
 Red=Cloning site Green=Tags(s)

MKKNEVYETFSYPEYSPTLPVSRRENNSPSNLPRPSFCMEEYQRAELEEDPILSRTPSPVHPSDFSEHN
 CQPYASDGATYGSSSGLCLGNPRADSIHNTYSTDHASAAPPVTRSPVENDGYIEEGSITKHPSTWSVE
 AVVLFKQTDPLALCPLVDLFRSHEIDGKALLLLTSDVLLKHLGVKLGTAVKLCYYIDRLKQKCFEN

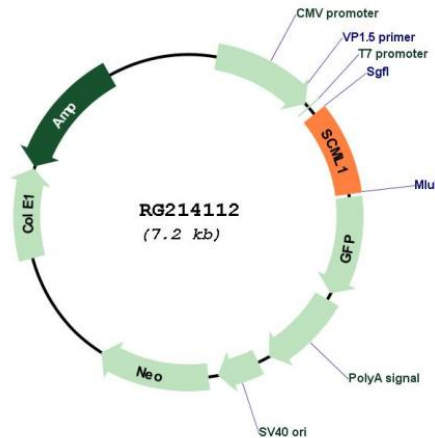
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001037535

ORF Size: 624 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:	<u>NM_001037535.2, NP_001032624.1</u>
RefSeq Size:	2693 bp
RefSeq ORF:	627 bp
Locus ID:	6322
UniProt ID:	<u>Q9UN30</u>
Cytogenetics:	Xp22.13
Protein Families:	Transcription Factors
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. May be involved in spermatogenesis during sexual maturation (By similarity).[UniProtKB/Swiss-Prot Function]