

Product datasheet for **SC304718**

SEMA3G (NM_020163) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMA3G (NM_020163) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMA3G
Synonyms:	sem2
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020163, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCCCTCGGCCTGGGCCATTTGCTGGCTGCTAGGGGGCCTCCTGCTCCATGGGGGT
AGCTCTGGCCCCAGCCCCGGCCCCAGTGTGCCCCGCTGCGGCTCTCTACCGAGACCTC
CTGTCTGCCAACCGCTCTGCCATCTTTCTGGGCCCCAGGGTCCCTGAACCTCCAGGCC
ATGTACCTAGATGAGTACCGAGACCGCCTCTTTCTGGGTGGCCTGGACGCCCTCTACTCT
CTGCGGCTGGACCAGGCATGGCCAGATCCCCGGGAGGTCCTGTGGCCACCGCAGCCAGGA
CAGAGGGAGGAGTGTGTTGAAAAGGGAAGAGATCCTTTGACAGAGTGCGCCAACTTCGTG
CGGGTGCTACAGCCTACAACCGGACCCACCTGCTAGCCTGTGGCACTGGGGCCTTCCAG
CCCACCTGTGCCCTCATCACAGTTGGCCACCGTGGGGAGCATGTGCTCCACCTGGAGCCT
GGCAGTGTGAAAGTGGCCGGGGCGGTGCCCTCAGGAGCCAGCCGTCCTTTGCCAGC
ACCTTCATAGACGGGAGCTGTACACGGGTCTCACTGCTGACTTCTGGGGCAGAGGCC
ATGATCTCCGAAGTGGAGGTCCTGGCCAGCTCTGCGTTCGACTCTGACCAGAGTCTC
TTGCACGACCCCCGTTTGTGATGGCCGCCGGATCCCTGAGAACTCTGACCAGGACAAT
GACAAGGTGACTTCTTCTTCTCGGAGACGGTCCCTCGCCGATGGTGGCTCGAACCAT
GTCACTGTGAGCCGCTGGGCCGCTGCTGCGTGAATGATGCTGGGGCCAGCGGGTGCTG
GTGAACAATGGAGCACTTTCCTCAAGGCCAGGCTGGTCTGCTCGGTGCCCGGCCCTGGT
GGTGCCGAGACCACTTTGACCAGCTAGAGGATGTGTTCTGCTGTGGCCCAAGGCCGGG
AAGAGCCTCGAGGTGTACGCGCTGTTACGACCCGTGAGTCCGCTGTTCCAGGGCTTCGCC
GTCTGTGTGTACCACATGGCAGACATCTGGGAGGTTTTCAACGGGCCCTTTGCCACCGA
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CCAGATGAGGTGCTGCAGTTTGCCCGAGCCACCCCTCATGTTCTGGCCTGTGCGGCTC
CGACATGGCCGCCCTGCTCTTGTCAAGACCCACCTGGCCAGCAGCTACACCAGATCGTG
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GGGTCTGTGCTCAAAGTCATCGCTCTCCAGGCAGGGGGCTCAGCTGAACCTGAGGAAGTG
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GTCAAAGGCAAATGCTATACGTGGGCTCTCGGCTGGGTGTGGCCAGCTGCGGCTGCAC
CAATGTGAGACTTACGGCACTGCCTGTGCAGAGTGTGCCTGGCCGGGACCCATACTGT
GCCTGGGATGGTCCCTCTGTACCCACTACCGCCAGCCTTGGCAAGCGCCGGTCCGC
CGGCAGGACATCCGGCACGGCAACCCTGCCCTGCAGTGCCTGGCCAGAGCCAGGAAGAA
GAGGCAGTGGGACTTGTGGCAGCCACCATGGTCTACGGCACGGAGCACAATAGCACCTTC
CTGGAGTGCCTGCCAAAGTCTCCCCAGGCTGCTGTGCGCTGGCTCTTGCAGAGGCCAGGG
GATGAGGGGCTGACCAGGTGAAGACGGACGAGCGAGTCTTGACACGGAGCGGGGGCTG
CTGTTCCGAGGCTTAGCCGTTTCGATGCGGGCACCTACACCTGCACCACTCTGGAGCAT
GGCTTCTCCAGACTGTGGTCCGCTGGCTCTGGTGGTGATTGTGGCCTCACAGCTGGAC
AACCTGTTCCCTCCGAGCCAAAGCCAGAGGAGCCCCAGCCGGGGAGGCTGGCTTCC
ACCCACCCAAGGCTGGTACAAGGACATCCTGCAGCTCATTGGCTTCGCCAACCTGCC
CGGTGGATGAGTACTGTGAGCGCTGTGGTGCAGGGGCACCACGGAATGCTCAGGCTGC
TTCCGGAGCCGGAGCCGGGCAAGCAGGCCAGGGCAAGAGCTGGGCAGGCTGGAGCTA
GGCAAGAAGATGAAGAGCCGGTGCATGCCGAGACAATCGGACGCCCGGGAGGTGGAG
GCCACGTAG
    
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Restriction Sites: Please inquire

ACCN: NM_020163

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_020163.1 , NP_064548.1
RefSeq Size:	4700 bp
RefSeq ORF:	2349 bp
Locus ID:	56920
UniProt ID:	Q9NS98
Cytogenetics:	3p21.1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Axon guidance
Gene Summary:	The transcription of this gene is activated by PPAR-gamma, and the resulting protein product plays a role in endothelial cell migration. Expression of this gene also inhibits tumor cell migration and invasion. [provided by RefSeq, Jul 2016]