

Product datasheet for **RN217203**

Sema3g (NM_001100882) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema3g (NM_001100882) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema3g
Synonyms:	CSG53; RGD1306079
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217203 representing NM_001100882
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCGCTGCTCCGCTTGGGCCATCTGCTGCCTCTGGGGAGCCTTCTGTTCCACATGGGCAGCCCGA
 ACCCTGGTCCCAGCACCAGTGTGCCTCGTCTGCGGCTCTCTACAGAGATCTCTGACTACCAACCGCTC
 TGCCATCTTTCTGGGTCCACGGGCTCCCTAGACCTCCAAGTCATGTACCTGGATGAGTATCGGGACCGC
 CTCTTTCTGGGAGGCCGAGATGCCCTTTACTCTGAGACTGGATCAGGCATGGCCAGATCCCCGGGAGG
 TCTTGTGGCCGCCGAGCCCGACAGAAGGTGGAATGTGTCCGAAAGGAAAAGACCCTTTGACCGAGTG
 TGCCAACCTCGTGCGGTCTTACAACCCACAACCGACCCATCTGCTGGCTGCGGCACCTGGCCCTTC
 CAGCCCATCTGCACCTTCATCACAGTGGGGCATCGGGGGAGCATGTGCTCCACTGGATCTAGCAGCA
 TCGAAAATGGAAGGGGGCTTGGCCACACGAGCCAGCCGTCCTTCGCCAGTACCTTTGAGTGGGGA
 GCTGTACACGGGCTCACTGCTGATTTCTCGGACGTGAGGCCATGATTTCCGGAGTGGGGTCCCCGA
 CCAGCCCTGCGTTCTGACTCTGACCAGAGCCTCTACATGATCCCCGTTTGTGATGGCTGCTCGGATCC
 CAGATAACTCCGACCGGGATGATGACAAAGTACTTCTTCTCTGAGACTGTCCCTTACCAGATGG
 TGGCCAGGTCATGTACCGTCAGCCGCGTGGTTCGAGTCTGTGTGAATGATGCTGGTGGCCAGCGGGTG
 CTGGTGAATAAATGGAGCACGTTCTCAAGGCCAGGCTGGTATGCTCTGTGCCTGGCCCTGGCGGGCTG
 AGACTCACTTTGACCAGTGGAGGATGTGTTCTGCTGTGGCCAAAGGCAGGGAAGAACCTCGAGGTGTA
 TGCGCTGTTACAGACTGTAGTGTGTTCGGGGCTTGTGTCTGTGTGTACCACATGGTAGACATC
 TGGGAGGCTTCAACGGGCCCTCGCTCACCGAGATGGCCCTCAACATCAGTGGGGACCCATGGGGGCA
 AGGTGCCCTTCCCCGGCCTGGTGTGTGCCAGCAAGATGACCGCACAGCCCGCCGACCCCTTTGGCAG
 CACCAAGGACTACCCGGATGAGGTGCTGCAGTTTGTCCGAGGCCACCCGCTCATGTTCCAGCCTGTGAGG
 CCTCGGCTGGCCGCCCGCTCCTGGTCAAACTCACCTGGCTCAGCAACTGTGCCAGATCGTGGTGGACA
 GAGTGGAGGCTGAGGATGGGACCTACGATGTATCTTCTAGGGACTGATTCAGGTTCTGTGCTCAAAAT
 CATCGCTCTCCAGGAGTGGCTTACCCGAACCGAAGAGGTGGTTCGGAGGAGCTCCAGGTGTTAAG
 GTACCAACACCCATCACTGAGATGGAGATCTCTGTCAAAGGCAAACGCTGTATGTGGGCTCTCCACTGG
 GCGTGGCCCGGCTGCAGCTGCACCAGTGTGAGACTTATGGCAGTGCCTGCGCTGAGTGTGCTGGCCCG
 GGACCCATACTGTGCTTGGGACGGCACTTCTGTGCCCGCTACCGCCCGCTCGGGCAAGCGCAGGTTT
 CGACGACAGGACATCCGACATGGCAATCCTGCTGTGCAGTGTCTGGGCCAGGGCCAGAGCCAAGACAAG
 CCTCGGGACTGGTGACCAGAGTCTTGGCACAGAGCACAACAGTACCTTCTTGTGAGTGGCCGCAAGTC
 TCCCCAGGCTGCAGTGGCTGGTCTTACAAGGCCAGGGGATAAGGGGGCTGACCAGGTGAAGACAGAT
 GAGCGAGTTGTGCAGACGGACCAGGGGCTTCTGTTCCGAAGGCTCAGCCGCTTGTGACAGGAACTACA
 CCTGTACCACTCTGGAGCACGGCTTCTCCAGACCGTGGTTCGTTTTGCCCTGGAGGTGATTGCGGCTGT
 GCAGCTGGACAGCCTGTTCTTCCGGAGCCAAGGCTGGAGGAGCCCTCAGCCTGGCGAAGTGTGGCTTCT
 GCCTCACCAAGACTTGGTATAAGGACATCCTTCAGCTCACTGGTTTCGCCAACCTGCCCGCGTGGATG
 AGTACTGCGAACGTGTGGTGCAGGGGTGTGGGGAGCGCTCGGGCTCCTTCCGCGAAAGGGAAAGCA
 GGCGAAGGGCAAGAGCTGGGCGGGCTAGAGCTGGGCAGGAAGATGAAGAGCCGGGTGCAGGCTGAGCAC
 AATCGGACCCCGGGAGGTAGAAGCCACATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001100882
Insert Size: 2343 bp

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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001100882.1, NP_001094352.1</u>
RefSeq Size:	3626 bp
RefSeq ORF:	2343 bp
Locus ID:	290562
Cytogenetics:	16p16