

Product datasheet for **MC221591**

Sema3g (NM_001025379) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema3g (NM_001025379) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sema3g
Synonyms:	AK129018
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221591 representing NM_001025379
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGACCATCTGCGTGGGCCATCTGCTGCCTCCTGGGAGCCTTCTGTTCCATGTGGGCATCCCCAGCC
 CTGGTCCCAGCCCCAGTGTGCCTCGTCTGCGGCTCTCTACAGAGATCTCCTGTCTACCAACCGCTCTGC
 CATCTTTCTGGGCCACGGGTTCCCTAGACCTCCAAGTCATGTACCTGGATGAGTATCGAGATCGCCTC
 TTTCTGGGAAGCCGAGATGCCCTTTACTCTCTGAGACTGGATCAGGCATGGCCAGACCCCGGGAGGTCT
 TGTGGCTGCCACAGCCAGGACAGAAGGTGGAATGTGTCCGAAGGAAAAGACCTTTGACGGAGTGTGC
 CAATTCGTGCGGGTCTTACAACCCATAACCGGACCCATCTGCTGGCCTGTGGCACAGGAGCCTTCCAA
 CCCATCTGCACCTTCATCACAGTGGGCATCGAGGGGAGCATGTGCTCCGCTTGGATGCTAGCAGCGTCG
 AGAATGGAAGGGGGCGTTGCCACATGAGCCAGCCGACCCTTCGCCAGCACCTTTGTAGGTGGGGAGCT
 ATACACAGGTCTCACTGCCGATTTCTGGGACGTGAGGCCATGATTTTCCGGAGTGGGGTCCCCGACCA
 GCCTGCGTTCTGACTCTGACCAGAGCCTCTACATGAACCCCGTTTGTGATGGCTGCTCGGATCCAG
 ATAACCTTGACCGGGACGACGACAAGGTGACTTCTTCTCTCCGAGACTGTCCCGTACCAGATGGTGG
 CCCAGGTGATGTACCATCAGCCGAGTGGGCCGCGTCTGTGTGAATGATGCTGGTGGCCAGCGGGTGTCTG
 GTGAACAAATGGAGCACTTTCTCAAGGCCCGGCTGGTGTGCTCTGTGCCTGGCCCGGTGGGGCTGAGA
 CTCACCTTGACCACTAGAGGATGTGTTCTGCTGTGGCCCAAGGCCGGAAGAGCCTCGAGGTGTATGC
 GCTGTTGAGCACTGTCACTGTGTGTTCCAGGGCTTGTGTCTGTGTGTACCACATGGTAGACATCTGG
 GAGGTCTTCAATGGGCCCTTGGCCACCGAGATGGCCCTCAGCATCAGTGGGACCTATGGGGCAAGG
 TGCCCTTCCCTCGCCCCGGTGTGTCTTAGCAAGATGACCGCACAGCCAGGCCGACCCTTTGGCAGCAC
 CAAGGACTACCCAGACGAGGTGTTGCAAGTTTGTCCGAGACCACTCATGTTCCAGCCTGTGAGGCCT
 CGGCGTGGCCGCCCTGTCTGGTCAAACTCACTTGGCTCAGCGACTGCGCCAGATTGTGGTGGATCGAG
 TGGAGGTGAGGATGGGACCTATGATGTCATCTTCTAGGGACTGATTCGGGTTCTGTGCTCAAAGTCAT
 TGCCCTCCAGGTGGTGGCTTGAACCTGAAGAGGTGGTTTTGGAGGAGCTCCAGGTGTTAAGGTG
 CCAACGCCCATCACTGAGATGGAGATCTGTCAAAAGGCAAACGCTGTATGTGGGCTCTCCACTGGGTG
 TGGCCCGCTGCAGCTGCACCACTGTGAGACTTACGGCAGTGCCTGTGCTGAGTGTGCTGGCCCGGA
 CCCATACTGTGCTTGGATGGCACTGCCTGTGCCCGCTACCGCCAGCTCTGGCAAGCGCAGGTTCCTG
 CGGCAGGACATACCCATGGCAACCCTGTGTGCACTGTCTGGGCCAGGCCAGGCCAAAACAAAGCAG
 CTTCCGGGCTCATGACCAGAGTCTTGGCACAGAGCACAAACAGCACCTTCTTGAGTGCCTGCCCAAGTC
 TCCTCAGGCTGCAGTGCCTGGTCTTACAAGGCCAGGGGATAAGGGGACTGACCAGGTGAAGACAGAT
 GAGAGAGTTGTGCAGACGGCCCAAGGGCTGCTGTTCCGAAGGCTCAGCCGCCATGACGCAGGAACTACA
 CTTGCACCACTCTGGAACATGGCTTCTCCAGACCGTGGTCCGTTTTGCCCTGGAGGTGATTGCAGCTGT
 GCAACTGGACAGCCTGTTCTTCGGGAGTCAAGGCTAGAGGAGCCCTCAGCCTGGGGAAGCCTGGCCTCT
 GCCTCCCCAAGACTTGGTATAAGGACATCCTTCAGCTCACGGGCTTCGCCAACCTGCCCGTGTGGATG
 AGTACTGTGAACGTGTATGGTGCAGGGGTGTCGGGGAGCGCTCAGGCTCCTTCGCGGAAAGGGAAAGCA
 AGCGAAGGGCAAGAGCTGGCAGGGCTGGAACCTGGCAAGAAGATGAAGAGCAGGCTGTGGCTGAGCAC
 AATCGGACACCCGGGAGGTAGAAGCCACAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001025379
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).
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_001025379.1</u> , <u>NP_001020550.1</u>
RefSeq Size:	3686 bp
RefSeq ORF:	2343 bp
Locus ID:	218877
UniProt ID:	<u>Q4LFA9</u>
Cytogenetics:	14 B
Gene Summary:	Has chemorepulsive activities for sympathetic axons. Ligand of NRP2.[UniProtKB/Swiss-Prot Function]