

## Product datasheet for **RN215701**

### Sema4g (NM\_001108526) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sema4g (NM_001108526) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema4g
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN215701 representing NM\_001108526  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGGGGAGGCTCTGGCCCTCTCTCAGCTTCTCACAGCAACAGCAGTGCCTGGACCCTCACTGC  
 GGAGACCATCCCAGAGCTAGATGCCACCCACGGATGACCATCTCCTATGAAGAGCTCTCTGGATCAG  
 GCCTTCAAGGGCCAAGCCAGAATAATCAACTGCTGCTGGAGGAGGCTTCCCAAAGGCTGTTGGTG  
 GGAGCTCGAGGTGCCCTGTTCTCTCAGTGCCCGTGACATAGGAGATGGGACTCACAAAGAGATCCACT  
 GGGAGGCCTCCCAGAGATGCAAAGCAAGTGTCATCAGAAAGGGAAAAACAACCAGACGGAGTGTTCAA  
 CCATGTGCGATTCTACAGCGGCTCAATGCCTCCACTTCTATGCATGTGGGACCCACGCTTCCAGCCC  
 CTCTGTGCAGCCATTGATGCTGAGGCCCTCATCTTGCTACTAGCTTCGAGGAGGAAAGGAGAAATGTC  
 CTTACGACCCAGCCGTTGCTTACGGGCTTATCATTGATGGAGGCTCTACACAGCCACGCGGTATGA  
 ATTCGGAGCATTCTGATATCCGCCGGAGCCGCCACCCACACTCTCTGAGAACCAGGAGGCACCCATG  
 CACTGGCTCAATGATGCTGAGTTTGTGTTCTGTGCTGGTGCGGAGAGCAAGACCAGTGTAGTGGGTG  
 ACGATGACAAGATTTACTACTTCTCATGGAGCGTGAGGAAGGTTCCAGCAGCTTCACTCAGAGTGCAG  
 CAGCCACCGTGTGGCTAGAGTAGCCGTGTGTGCAAGGGAGATCTGGGAGGGAAGAAGATCCTACAGAAG  
 AAGTGGACATCCTTCTGAAGGCTCGCCTCATCTGCCACATCCCACAGTATGAGACACTTCGTGGGTCT  
 GCAGCCTGGATGCTGATACGTCATCCCACACACTTCTATGCAGTCTTACACTGACGACACAGTGAA  
 GACTCTGGAGGCTTACGCATCTGCCGCTATGACCTGGCTGAGATTCAGGCTGTCTTACAGGCCCTTTT  
 ATGGAGTACCAGGATGGTGGCCGGCTGGGGCCGCTACGAGGGTGGAGTCCCTGAACCCAGGCCGCTG  
 CGTGATCACAGATTCATTGCGCAGCCGAGGCTACAACATCATCTCAAGACTTGCCATCCCTCGTTCTGGA  
 CTTTGTGAAGTTGCACCCACTGATGGCTCGGCCTGTGGTACCCACACAGTGGGCGGCCCTGCTGCTGAAG  
 CGCAATGTACGCTACACACATCTCACAGGAACACACGTCAGCATACCTGCTGGACCCACCTATGACCTGC  
 TCTTTCTAGGCACAGCTGATGGCTGGATCCACAAGGCCGTAGTCTGGGCTCTGGGATGCACATTATCGA  
 AGAGATAACAAGTGTTCAGGGAGTCCCAGTCTGTGGACAATCTAGTTATCTCACCGATGCAGCACAGCCTC  
 TATGTGGGGGCTGCGAGTGGAGTCCAGTTCCTCTGTCCAGTTGCTCAGCTACCGTTCCTGCTATG  
 ACTGCATCCTGGCACGGGACCCCTACTGTGGCTGGGACTCCAGCACCCATGCCTGCATGGTGGCCACCAC  
 CATAGCCAACAGGACAGCATTGATACAGGACATAGAGAGAGGAAATCGAGGCTGTGAGGGCAGCAGGGAT  
 GCAGGACCACCACCGCCATTCAAGACCCGATCTGTGCTCCGGGTGATGATGTCCTTTGCCCTGTGACC  
 AGCCATCTAACCTGGCCCGGCTTTGTGGCTCCTCAACGGGAGCAAGAGCCTGAGTGTGGCAGGATGG  
 CTACCCGCTGGGAGTGGATGGGCTGCTGGTAACAGACACACAACCTGGAGCATAGTGGCAACTATGGCTGC  
 TATGCTGAGGAGAACGGCCTCCGTATGCTGCTGGCTTCTACAGCCTCATAGTCCGGCCAGCCACCCCTG  
 CCCCAGCTCCACAAGCCCTGCCACACCTGGGGCAGAGTGGCACATGACATGAGATTGTTCTATGTGGT  
 AGCCATTGCTATACTTGGTGGCTCTGCCTTATCTTGGCATCTTCCCTCCTCTATGTGGCTGTCTGCGG  
 GGAGGCAGACGAGGTGGAAGACGAAAATACTCATTGGGTGGGCTGGCCGGGCAGGGGCTCAGCCGTGC  
 AGCTGCAGACTGTCTCAGGCCAGTGTCCCGGAGAGGAAGATGACGGTGTATGATGGAGAAGGCGCTGGCAG  
 TCTGGAGAGTGGCTGCCTCCAGATCATCCCTGGGGAAGGAGCCCCAGCCCCACCACCCACCCACCTCCA  
 CCCCCACCTGCTGAGCTGACCAATGGACTGGTGGCCCTGCCAGCCGGCTGCGAAGGATGAATGGCAACA  
 GTTACGTGCTCCTGAGGCAGAGCAACAATGGAGTGCCAGCAGGTCCTGCTCCTTTGAGAGGAGCTCAG  
 CCGCATCTGGAGAAGAGGAAGCACACGCAGCTTGTAGAGCAGCTAGATGAGAGCTCTGTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001108526  
**Insert Size:** 2514 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001108526.1</a></u> , <u><a href="#">NP_001101996.1</a></u>
<b>RefSeq Size:</b>	4326 bp
<b>RefSeq ORF:</b>	2514 bp
<b>Locus ID:</b>	361764
<b>Cytogenetics:</b>	1q54