

## Product datasheet for **RN213104**

### Sema6d (NM\_001107768) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sema6d (NM_001107768) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema6d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:**

&gt;RN213104 representing NM\_001107768

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGTTCTTTCTGCTGTGGTTCTGTGTGCTGTTCTTCTGGTCTCCAGGTTACGGGCCGTGAGCTTCC  
 CTGAGGACGATGAGCCCTTAACACGGTTGACTACCACTATTCAAGGCAATATCCGGTTTTAGAGGACG  
 CCCTTCAGGCAACGAATCGCAGCATAGGCTGGACTTTCAGCTGATGTTGAAAATTCGAGACACACTTTAT  
 ATTGCTGGCAGGGATCAAGTCTATACAGTGAACCTAAATGACATCCCCAAAACAGAGGTGATCCCGAGCA  
 AGGATGAATGTCACAACCTCATCAAAGTCTTTGTCCCAAGAAATGATGAGATGGTTTTGTCTGTGGCAC  
 CAACGCTTCAACCCGATGTGCAGATACTATAGGTTGAGTACCTTAGAGTATGATGGGAAAGAAATAGT  
 GGCCTGGCAGGTGCCGTTTGTGCCCCGACAAACCAATGTTGCCCTCTTTGCTGATGGGAAACTGTATT  
 CTGCCACAGTGGCTGATTTCTGGCCAGTGTCTGTCTTTACAGAAGCATGGGTGATGGATCGGCCCT  
 CCGCACAATAAAATACGACTCCAATGGATCAAAGAACCACACTTCTTACGCCATAGAATATGGAAC  
 TATGTCTATTTCTTCTCAGAGAAATCGCCGTGGAACATAATAACTTAGGCAAGGCTGTGTACTCCCGAG  
 TGGCCCGCATTTGTA AAAACGACATGGGTGGCTCACAGCGGGTCTGGAGAAACACTGGACTTCTTCTCT  
 GAAGGCTCGGCTTAACCTGCTCAGTCCCTGGAGATTCCTTTTTCTACTTCGATGTTCTGCAGTCCATCACA  
 GACATCATCCAAATCAATGGCATCCCCACCGTGTGCGGGTCTTACCACGCAGCTCAACAGCATTCCCTG  
 GCTCTGCAGTCTGTGCCTTTAGCATGGACGACATTGAGAAAGTGTCAAAGGGCGGTTCAAAGAGCAGAA  
 AACCCAGACTCTGTTTGGACAGCGGTTCTGAAGACAAAGTACCAAACCAAGGCTGGCTGTTGTGCC  
 AAACATGGCCTCGCGGAAGCTTACAAAACCTCCATCGACTTCCAGATGATACCTGTCTTTTCATCAAGT  
 CCCACCCGCTGATGGACTCCGCTGTCCCACCCATTGCTGATGAGCCCTGGTTCAAAAAGACTCGGCTCCG  
 GTACAGGCTGACAGCCATCGAAGTGGACGTTCCGGCAGGCGCTACCAAACACTACACAGTATCTTTGTT  
 GGCTCTGAGGCCGCGTGGTGTCTTAAAGTTTTGGCAAAGACCAGTCTTTCTCTTTGAACGACAGTGTAT  
 TACTCGAAGAGATCGAAGCTTATAACCCAGCCAAGTGCAGCGCCGAGAGTGGAGGACAGGAAGGTCGT  
 CTCGTTACAGCTGGACAGGGATCACCATGCTTTATACGTGGCCTTCTCCAGCTGCGTGGTCCGCATCCCC  
 CTCAGCCGCTGTGAGCGCTATGGCTCCTGTAAAAAGTCTTGCAATGCATCAGGAGCCCGTACTGTGGTT  
 GGTTAAGCCAGGGAGTGTGTGAGAGAGTACCTTAGGGATGCTGCTGTTAACCGAAGACTTCTTTGCTTT  
 CCATAACCCAGTGTGGAGGATATGAGCAGGACACCGAGTATGGCAACACGGCCACCTAGGGGACTGC  
 CACGGTGTACGGTGGGAAGTCCAGTCTGGAGATCCAACCCAGATGGTCCCATGAATGCCTCATCACT  
 GCGTGTTCGAGCTTTTGTCTTGGGCGGTTTCATCGCAGGAGTGGCTGTGTACTGCTATCGTGACATGTT  
 TGTTCCGAAGAACAGAAAGATCCATAAAGATGCAGAATCGGCCAGTGCATGCACAGATCCAGTGGGAAGC  
 TTTGCCAAGCTGAATGGTCTCTTTGACAGCCCCGTCAAGGAGTACCAGCAGAACTCGATTACCCAAAAC  
 TGTACAGCAACCTGCTGACCAAGTCCGGAAGGAGTGCCTCCCAACACGGATCCAAAGTCCATGGCCATGGA  
 CCATCGAGGCCAGCCTCCAGAGCTGGTGTCTCCCCACGCCAGAGTCTACACCTGTACTCCACCAGAAG  
 ACCCTGCAGGCCATGAAGAGCCACTCCGATAAGGCCCATGGCCATGGTGTCTCAAGGAAGGAACACCCCC  
 AGTTTTTTCTTCTAGTCTCCACCCATTCCCGTTAAGTACGGGCATATCCAGTGCCATCGTCT  
 TCCAAACGCCACTCATGACTACAACACATCCTTCTCAAACCTAACGCTCACAAAAGCCGAAAAGAAGCTT  
 CAGAACGTTGATACCCTCTCACAAAGTATCCAGTAAGAGGGAACACCGGCGCTGTGGACTCCAGAA  
 ACACCCCTCAATGATCTCTTGAAGCATCTCAATGACCCAAAACAGTAACGCCAAAAGCCATCATGGGAGAAAT  
 CCACATGGCCATCAGACCCTCATGCTGGACCCAGTGGGACCAATGTCTGAGGTCCACCCAAAGGTTCT  
 AACCGGGAGGCATCCCTATACTCCCCCCTCAACACTCCCAGAAATAGTCCAACCAAGAGAGTAGATG  
 TCCCCACCACTCTGGGGTCCCAATGACTTCTCTGAAAGACAAAAGGGTTATCACAAAACCTCTCCCA  
 GAGGCACTCTATATCTGCCGTGCCTAAAACTTAAACTCACCACCGGTGTTTTGTTATCTAGACAGCCG  
 AGTATGAACCGTGGAGGATATATGCCACCCCAACAGGGGCGAAGGTGGACTATATTCAGGGGACACCGG  
 TGAGTGTCCATCTGCAGCCCTCCCTCTCCAGACAGAGCAGCTACACCAGTAATGGTACCCTACCCAGGAC  
 GGGACTAAAGAGGACACCATCCTTAAAACCTGATGTGCCACCAAAGCCTTCTTTGTTCTCAAACCACA  
 TCTGTGACAGCACTGAACAAATACACTTACTAG

 A**CGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001107768
Insert Size:	2973 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"><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>
RefSeq:	<u><a href="#">NM_001107768.1</a></u> , <u><a href="#">NP_001101238.1</a></u>
RefSeq Size:	5874 bp
RefSeq ORF:	2973 bp
Locus ID:	311384
Cytogenetics:	3q36