

## Product datasheet for **RN203840**

### Sema6b (NM\_053471) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sema6b (NM_053471) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema6b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203840 representing NM\_053471  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGACCCCGGAGCGCCCCCTCACGCCCGGCCCTGCTGTTCTCTCTGCTGTTGCTTCTGAGGGTCA  
 CCCATGGCCTTTTCCAGATGAACCACCTCCACTCAGTGTGGCTCCCAGGGACTACTGAGCCACTACCC  
 CGTGTTCGTGGGAGCGGGCCTGGTCGTCTGACCCCTGCAGAGGGTGTGAGGACCTCAACATCCAGAGA  
 GTGCTACGTGTTAACAGGACACTGTTTCATCGGGGACAGAGACAACCTGTACCAAGTAGAACTGGAGCCAT  
 CCACATCCACGGAGCTGCGGTATCAGCGGAAGCTTACCTGGCGCTCAACCCCAAGTACATCGATGTGTG  
 TCGGATGAAGGGCAAGCAAGAGGGTGTGAGTGTGCGAACTTGTCAAGGTGCTCCTGCTTGTGACGAATCC  
 ACGCTCTCGTGTGCGGCTCCAATGCATTCAATCCCATCTGTGCCAATTACAGTATGGACACACTGCAGC  
 TTCTTGGAGACAACATCAGTGGTATGGCCCGCTGCCCTACGACCCCAAGCATGCCAATGTCCGCCCTTT  
 CTCAGATGGGATGCTCTTACAGCCACAGTAAGTACTTCTAGCCATCGACGCTGTTATCTACCGTAGC  
 CTTGGGGACCGGCCACACTGCGCACAGTAAAGCATGACTCCAAGTGGTTTAAAGAGCCATACTTTGTGC  
 ATGCGGTGGAGTGGGGAAGCCACGTCTACTTCTTCTCCGGGAGATCGCCATGGAGTTTAACTATCTGGA  
 AAAGTGGTGGTGTCCCGTGTGGCCCGTATGCAAGAATGATGTGGCGGCTCCCACGGGTGCTGGAG  
 AAGCAGTGGACTTCTTCTGAAGGCCCGGCTCAACTGCTCCGTGCCTGGGGACTCACACTTCTACTTCA  
 ATGTAAGTGCAGGCTGTGACTGGTGTGGTGTGAGCCTTGGCGGCCGTCCAGTATTCTTGTGCTTCTCAAC  
 TCCTAGCAACAGCATCCCTGGCTCAGCTGTCTGTGCCCTTGACATGAACCAAGTGGCTGCTGTGTTGAA  
 GGCCGCTTCCGGGAGCAGAAGTCACTGAGTCAATCTGGACCCCAAGTGCCTGAGGACCAAGTACCACGGC  
 CCAGGCCCGGGTGTGTGACGCGCCCGTATGCAGTACAACGCATCCAATGCCCTTCTGACGAGATTCT  
 CAACTTTGTAAGACCCACCCACTGATGGACGAAGCGGTGCCCTCCCTGGGCCACTCGCCTTGGATTGTG  
 AGAACTCTGATACGGCACCCAGCTGACCCGAGTGGCTGTGGATGTGGGTGCAGGCCATGGGGCAATCAGA  
 CAATAGTCTTCTTGGCTCTGAGGTTGGCACAGTCTCAAAATCCTTGTGAAGCCCAATGCCAGTGTCTC  
 AGGGACCACAGGGCCAGCATCTTTTGGAGGAGTTTGGAGCCTACCGGCCAGACAGGTGTGGACGATCC  
 AGCAGTGTGGTGTGAGTGGGGACAACGACTTCTGAGCCTGGAGCTAGATGCTGCCTCAGGTGGCCTGCTGG  
 CAGCCTTCCCGGCTGTGTGGTTCGTGTTCTGTTGCCCGCTGCCAGCTGTACTCGGGTGCATGAAGAA  
 CTGCATTGGCAGCAAGATCCATACTGCGGGTGGGCCCCGATGGCTCCTGCATCTTCTCAGACCAGGA  
 ACCAGTGGCAGTTTGGCAAGATGTGTCCGGGGCCAGCACCTTGGCTTAGGTGACTGCACTGGACTCT  
 TGCAGCCAGCCTCTCAGATGACCGCGCAGGGCTGGTATCGGTGAACCTGCTGGTGCCTCGGTGGC  
 AGCGTTCTGTGGTGGGTGCCGTGGTGTCCGGTTTACGCTGGGCTGGTTCGTGGGTCTCCGCGAGCGCGG  
 GAGCTGGCCCGCGCAAGGACAAGGAAGCCATCCTGGCGCATGGCGGCAGCGAGGCAAGTGTGAGCGTGA  
 GCCGACTGGGCGAGCGCAGGGGAACCGGACTGGGGTGTGGGGAGCCGGCGGGTCCCGGGGGTCC  
 CCCGGAGGCCCTGCTGGCCCCGTTATGCAGAATGGCTGGACAAAGGCGGCACTGCTGCATGGTGGTCTCT  
 CACGACCTGGATTCGGGGCTGCTGCCACCCCTGAGCAGACGCTCTGCCCCAGAAACGCTGCCACAA  
 CACACCCACACGCCACGCCCTAGGACCGGAGCCTGGGACCACAGCCACGCGCTGCTGTCCGCCCTGTC  
 CTCCACATCCTTGTCTCTGCTGGCGCACACCCGCGCCCTGAGCAGCCCCCAGTGGCGACTGAGTACAGG  
 CCGGAATCTCGCCTCTGCGCCCCAAGATCCTGCCGGCCCTCTACCCAGGCGACTTCCCCTCACGCTC  
 ACGCCAGCCCGGACCGCGGGTGTGTCCGCACCCACGGGCCCTTGGACTTCTTCTCGGTGGGCGA  
 CGACCTTCCAGGGCCATGGAGCCACCTGCAACCAGCAGCCTGCGGAGGCCGGGCCCCATGGGCCCCA  
 ACAGCCGCCCTGCGGCGCACACACATTCAACAGCGCGAGGCGAGGCCGGGGTACCGTCTCGCC  
 GCCACGCCCGCGGACTCTACACACTTGTGCCCTGCGGACGGGCGAGCGGACTGCACCCCGGTACC  
 CTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053471

<b>Insert Size:</b>	2664 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_053471.2</a></u> , <u><a href="#">NP_445923.1</a></u>
<b>RefSeq Size:</b>	3847 bp
<b>RefSeq ORF:</b>	2664 bp
<b>Locus ID:</b>	84609
<b>UniProt ID:</b>	<u><a href="#">O70141</a></u>
<b>Cytogenetics:</b>	9q12
<b>Gene Summary:</b>	may play roles in neurogenesis and axon guidance [RGD, Feb 2006]