

## Product datasheet for **RN213455**

### Sema3b (NM\_001079942) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sema3b (NM_001079942) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema3b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN213455 representing NM\_001079942  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCGGGCTGAGGCCGCCCATGATCCCAGGCCCTTCTCTGGGTAGCAGGGCTGGGGGATG  
 CTGCCCTAACCTTCCCCGCTTCGGCTCTCCTTTCAAGAACTACAGGCCAGCATGGCATCCGAACCTT  
 CAGGCTGGAGCGGACCTGCTGTTATGAAGCCTTGTGGTGGATGAGGAGCGGGGGCGCCTGTTTGTGGT  
 GCTGAGAACCACGTGGCTTCCCTCAGCCTGGACAACATCAGCAAGCGAGCCAAGAAGCTGGCCTGGCCCG  
 CCCCTGTGGAATGGCGTGAAGAAATGCAACTGGGCAGGGAAGGACATTGGTACGGAGTGCATGAACCTCGT  
 GAAGCTGTTGCATGCCTACAACCACACCCACCTGCTGGCCTGCGGCACAGGGGCCCTTCCACCCACCTGT  
 GCATTTGTGGAGTGGGCCACCGCTGGAGGAACCCATGCTCCGCTGGACCTGAGGAAGCTCGAGGATG  
 GCAAGGAAAAGAGTCCATATGACCCAAGCACCGGGCTGCCTCGGTGCTGGTGGGGGAAGAGCTGTATTC  
 CGGGTGGCGGGACCTTATGGGCCGGGACTTTACCATCTTTCGAAGCTTGGGTGAGAATCCGAGTCTC  
 CGAACAGAGCCCCATGATCCCGCTGGCTCAATGAACCCAAGTTTGTCAAGGTCTTTTGGATCCCAGAGA  
 GCGAGAACCCTGATGACGATAAAATCTATTTCTTCCGTGAGTCCGCAGTGGAAAGCGGCACCAGCAAT  
 GGGGCGCATGACTGTGTCTCGTGTGGTGTGATGCTGCCGGAATGACCTGGGTGGCCAGCGGAGCTTGGTC  
 AACAAAGTGGACCACATTTCTGAAGGCGCGGCTTGTATGCTCAGTACCTGGAGTTGAGGGTACACCCACT  
 TTGACCAACTTCAGGATGTTTTCTTTTGTCTCCCGAGACCGCCAGACACCTTTTCTCTATGCTGTCTT  
 CTCCACCTCCAGTGGCATCTTCCAGGGCTCTGCTGTGTGCGTGTACAGCATGAACGACGTGCGCCGAGCC  
 TTCTTGGGACCTTTTGTCTACAAAGAGGGGCCACACATCAGTGGGTGTCTACCAGGGTCCGGTACCCT  
 ACCCAAGACCTGGCATGTGCCCCAGCAAGACCTTTGGCACCTTCAGCTCCACCAAGGACTTCCAGATGA  
 GTTTATCCAGTTTGTCTCGGAACACCCCTCATGTACAACCTCAGTCTGCCATGGGGGGCGCCCTCTC  
 TTCTTACAAGTGGGAGCTGGGTACACCTTACCAGATCGCTGCAGACCGGGTAGCAGCAGCCGATGGAC  
 ACTACGATGTGCTCTTCACTCGGCACAGATGTGGGCACGGTGTGAAAGTCATCTCAGTCCCCAAGGGCAG  
 CCGACCTAACTCGGAAGGACTTCTCCTGGAAGAGTGCAGGTGTTTGGAGACTCTGCTGCTATCACCAGC  
 ATGCAAATCTCCTCGAAAAGGCACCAGCTCTACATAGCATCACCCAGCGCAGTGGCCAGATTGCTTTAC  
 ATCGTGCCTGCCCTAGGCCGCGCTGCGCAGAATGTGCTTGGCCCGTACCCTACTGCGCCTGGGA  
 TGGATCAGCCTGCACACGCTTCCAGCCTACTGCCAAGAGGCGGTCCGGAGGCAAGACATAAGGAATGGC  
 AACCCAGCACCTGTGCTCTGGGGACCCCTCTACTCTGTGCTGCTGGAGAGGAAGGTCTTAGGTGTGG  
 AGAGGGGAGCGGTTTCTGGAGTGTGAGCCCGCTCGCTCCAGGCGCATGTGGAATGGACCTTCCATCG  
 TGCAGGGGAGGCAGCTCACACCCAGGTGCTGGCTGAGGAGCGGGTAGAGCGCACTGCACGGGGGCTGCTG  
 TTGCGGGGGTGCGGCGCCAGGACTCTGGCGTGTATCTGTGCGTGCAGGTGAACAAGGCTTTTCAAC  
 CACTGCGTGCCTGGTGTGCACGTGCTGAGTGGGCACAGGCTGAACGACTGGCGAGGGCAGAGGAGGC  
 AGCAGTCCCAGCACCCAGGTCTAAACTCTGGTACCGGACTTCTGTCAGTGGTGGAGCCAGGCGGT  
 GGTGGAGGTGCAAACCTCCGCAATGTGCCCGCCGAGCCGGGCCCACTCTGTGGCAGCAGATTAC  
 GTCGTAAGGGTCGCAACAGGCGGATGCATGTCTGAGCTGCGTGTGACGTTGGACCACGTAGCGCAGC  
 TCACTGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001079942

**Insert Size:** 2250 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).

<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>NM_001079942.1, NP_001073411.1</u>
<b>RefSeq Size:</b>	2542 bp
<b>RefSeq ORF:</b>	2250 bp
<b>Locus ID:</b>	363142
<b>Cytogenetics:</b>	8q32