

Product datasheet for **RN208999**

Sema5b (NM_001107091) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema5b (NM_001107091) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema5b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN208999 representing NM_001107091 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTAGTCCCAGGACCCTGGCTCTCTCGCTGCTGCTAGCTTACCCCTGCTGCTGCCACCTCT
CCACCTCCAGGACATCACCAGTGAGCCAGCAGTGAGCAGCAGCTGTGCACCCGGAGGGAGCACCCCAT
CGTGGCCTTCGAAGATCTGAAGCCGTGGGTGTCTAACTCACCTACCCTGGAGTCCGGGATTCTCTCAG
CTTGCTCTGGATCCCTCCAGGAACCAGCTCATCGTGGGAGCCAGGAACTACCTCTTCAGACTCAGCCTTG
CCAATGTTTTCCCTCCTCAGGCTACAGAGTGGGCTCCAGTGAGGACACGCGCCGCTCCTGCCAGAGCAA
AGGGAAGACTGAGGAGGAATGTCAGAACTACGTTTCGAGTCTGATTGTTCCGGCCGGAAGGTGTTTCATG
TGCGGTACCAATGCCTTTTCCCTGTGTGCTCCAGCAGACAGGTGGGAACTCAGCCGGCTATTGAGA
AGATCAATGGCGTGGCCCGTGCCTATGACCCAGCCACAACCTCTACAGCCGTGATCTCTCCAGGG
GGAGCTCTACGCAGCCACCGTCATTGACTTCTCCGGTCCGGACCCGCCATCTACCGTAGCCTGGGCAGT
GGGCCCGCTTCGCACTGCCAGTAACTCTAAATGGCTCAATGAGCCAAATTTGTGGCAGCCTTTG
ACATTGGGCTGTTTGCATTTTCTCTCCGGGAGAATGCAGTGGAGCATGACTGTGGACGCACTGTGTA
CTCTCGGGTGGCCGAGTGTGCAAGAATGATGTAGGGGGTCTTTCTGCTGGAGGACACATGGACCACA
TTCATGAAGGCCCGCTCAACTGCTCCCGCCAGGGGAGGTCCCTTCTACTATAACGAGCTGCAGAGTG
CCTTCCATCTGCCGAACAGGACCTCATCTATGGCGTCTTACCCTAACGTAACAGCATTGCAGCTTC
TGCCGTCTGCGCCTTCAACTCAGTGCCATCTCCAAGGCTTTCAATGGCCATTTTCGTTACCAGGAAAAC
CCCAGGGTGCCTGGCTGCCTATCGCAACCCCATCCCAATTTCCAGTGTGGCACCCCTGCCGGAGACTG
GCCCTAACGAGAACCTCACGGAGCGCAGCCTGCAAGATGCACAGAGGCTCTTCTGATGAGCGAAGCTGT
GCAGCCGGTGACCCAGAGCCCTGTGTACCCAGGACAGCGTCCGCTTCTCACATCTTGTGGTAGACCTT
GTGCAAGCTAAGGACACACTGTACCAGTACTCTACATAGGCACTGAGTCGGGTACCATCCTGAAAGCGC
TGTCCACCGCCAGCCGAGTCTGCGTGGCTGCTACCTAGAGGAACTGCATGTGCTGCCCCCTGGGGCCT
TGAACCTCTGCGGAGCCTGCGCATCTGACAGCGCGCTGCGCTCTACGTGGGATTGAGCGACCCGGGTG
CTGCGGGTCCCGCTGGAGAGGTGCTCGGCCTACCTTAGCCAGGGGGCATGCCTGGGAGCACGGGACCCAT
ACTGCGGTGGGATGGGAAGCGCAACTTTGCAGCAGCTTGGAGACAGTTCCAACATGAGCCTGTGGAT
CCAGAACATCACAGCCTGTCTGTACGAAATGTGACACGGGACGGGGCTTCGGCCCATGGTCACCATGG



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AAACCATGTGAGCACTTAGATGGAGACAACCTCGGGTCTTGCCTATGCCGGGCCAGATCCTGTGACTCCC
CAAGGCCCCGCTGTGGGGCCTCGAATGCCTGGGGCCAGCCATCCATATCGCAAATTGCTCCAGGAATGG
GGCGTGGACCGCATGGTCATCGTGGGCTCAGTGCAGCAGCTCCTGTGGGATCGGCTTCCAGGTCCGTCAG
CGAAGTTGAGCAACCCAGCGCCCGCCATGGGGCCGCATCTGCGTGGGCAAGAGCCGGGAGGAGCGGT
TCTGTAATGAAAATACGCCTTGCCCGGTGCCATCTTCTGGGCTTCTGGGGCTCGTGGAGCAAGTGCAG
CAGCAACTGTGGGGTGGCGTGCAGTGCAGCGCTCGTTCTTGCAGAAATGGCAACTCGTGCCCGGTTGC
GGCGTGGAGTTCAAGACCTGCAACCCCGAGGCCGCCCCAGAAGTGCAGCGCAACACACCCCTGGACGCCCT
GGCTACCCGTGAATGTGACGCGAGGGTGGCGCGCCAGGAGCAGCGATTCCGCTTACCTGCCGCGCGCC
GCTGCCGACCCGCACGGTCTGCAGTTCGGCAAGAGGAGGACGGAGACCAGGACCTGCCCGCTGATGGC
ACCGGAGCATGCGACTGACGCCCTAGTGGAGGATCTGCTGCGCAGCGGGAGCACGTCACCACACTC
TGAGTGGAGGCTGGGCCACCTGGGGCTGTGGTCATCCTGCTCCCGGACTGCGAGCTGGGCTTCCGCGT
ACGTAAGAGAACTGTACCAACCCGAGCCCGCAACGGGGCTTGCCCTGCGTGGGAGATGCTGCAGAG
TACCAGGACTGCAACCCCTCAGGCTTGCCAGTGCAGGGTGCCTGGTCTGCTGGACTGCATGGTCCCAGT
GCTCAGCATCCTGCGGTGGTGGCCACTATCAACGCACCCGTTCTGCACCAGCCCGCACCGTCCCAGG
TGAGGACATCTGCCTCGCCTGCACACGGAGGAGCACTATGTGCTACACAGGCTGCCAGAAGGCTGG
TCACTGTGGTCTGAGTGGGGTGTCTGCACGGAGGATGGGGCCAGAGCAGGAGCAGGAGCTGTGAGGAGC
TTGTCCCAGGGCCAGGTGCCTGTGTTGGCAACAGCAGCCAGAGCCGGCCCTGCCCTACAGTGAGATTCC
TGTATCCTGCCTGCTTCCAGTGTGGAGGAGACTGCCAGCTGTGGAGGGTTAGTCTCATCCACCTGATA
GTCAGTGGCGTGTCTGCTTCTGGGATCTGGGCTACTGACCTTGGCAGTGTACCTGTCTGCCAGCACT
GCCAGCGCCAGTCTCAGGAGTCCACACTGTCCATCCCGCCACCCCTAACCACTTGCACTACAAAAGCGG
GGGCACTCCCAAGAATGAGAAGTACACCCCATGGAATTCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001107091

Insert Size: 3126 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:

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: NM_001107091.1, NP_001100561.1

RefSeq Size: 3692 bp

RefSeq ORF: 3126 bp

Locus ID: 303901

Cytogenetics: 11q22