

Product datasheet for **RN217234**

Sema4b (NM_001170462) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema4b (NM_001170462) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema4b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217234 representing NM_001170462
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGGGCGAGCCGCTCCGCCGACCTGCTGAGCGCGTGCAGCTGCTGTTGCTACTGCTGCGGACGA
 CGACGGCGGGGCGCTCGGCCACGGATCAGTGTGCCGCTGGACTCTGAAGAAAGCTGATTAGAAAATT
 TGAAGCTGAAAACATCTCCAACACACGCCCTTCTGCTGAGCCAAGATGGCAAGACGCTGTATGTGGG
 GCCCGAGAGGCCCTTTTGCCTTAACAGCAACCTCAGCTTCTTGCCGGGCGGGAGTACCAAGAGCTGC
 TGTGGAGTGCAGATCCTGACAGGAAGCAGCAGTGCAGCTTCAAGGGCAAGGACCCAAAGCGTGACTGTCA
 AAACACATCAAGATCCTTCTGCCCTCAACAGCAGCCATCTGCTCACCTGTGGCACCGCAGCCTTCAGC
 CCCCTGTGTGCTTACATTAACACAGCAAGCTTTACATTAGCCCGAGACGAGGCTGGCAGTGTCTCTAG
 AGGATGGCAAGGGCCGGTCCCTTTGACCCCACTTCAAGTCCACGGCTCTGGTGGTTGATGGTGAAGT
 GTACACTGGAACAGTCAAGTCCAGGGAAACGACCCAGCCATTTCCCGGAGCCAGAGTCCCCGCCCC
 ACCAAGACTGAGAGCTCCCTCAACTGGCTGCAAGACCCTGCCTTTGTGGCCTCAGCCTATGTTCTGAGA
 GCCTGGGCAGCCCAATAGGTGATGATGATAAGATCTACTTCTTCTCAGCGAGACGGGCCAGGAGTTTGA
 GTTCTTTGAGAACACCATTGTCTCCAGAGTTGCCCGAGTCTGAAGGGCGATGAGGGTGGAGAGCGGGTG
 TTGACGACGCGTGGACTTCCTTCTCAAGGCTCAGCTCCTGTGCTCCCGGCCGATGATGGCTTTCCCT
 TTAACGTGCTACAAGATGCTTCCACCCTGAACCCCAACCTCAGGACTGGCGAAGACCCCTTTCTATGG
 GGTCTTACCTCCAGTGGCACAGAGGGACCACAGAAGGCTCTGCCATCTGCGTCTTACCATGAATGAC
 GTGCAGAAGGCCCTTTGATGGTCTGTATAAGAAAGTGAACAGAGAGACACAGCAGTGGTATACTGAGACCC
 ACCCAGTGCCCACTCCCGGCCGGGAGCGTGTATCACCAACAGTGCCCGGGAACGGAAGTCAACTCGTC
 GCTGCAGCTCCCGGACCGAGTGTCTGAACCTCCTCAAGGATCACTTCTTGATGGATGGGCAGGTCGCGAGC
 CGCTGTGCTGCTCCAGCCACAAGCCCTACCAGCGTGTGGCCGTGCACCGAGTGCCTGGCCTGCACA
 GCACGTATGATGACTATTTCTGGGCACTGGTGTGGTGCCTGCACAAGGCAGTACCCTGGACTCCAG
 AGTGCACATCATTGAGGAGTGCAGGTCTTCCCTCAAGGACAGCCTGTGCAGAACCTGCTTGGACAGC
 CATGGGGACTGTTGATGCCTCTCCATTCTGGGGTAGTGCAAGTGCCCGTAGCCAACGCAGCCTGT
 ACCCAACCTGTGGAGACTGCCTCTGGCTCGAGACCCCTACTGCGCTGGAACGGCTCCACCTGCAAGCT
 CCTTAGTCTCTACCAGCCTGATCTGGCCTCCAGGCCATGGATCCAGGATATTGAGGGTGCCAATACCAAG
 GAACTCTGCAATATTTCTCAGCCAAGGCCGGTCTTTAAGCCAGTAAGCCATGTAACAAGTCCAGA
 TCCAAGCAAACACAGTGAACACCCTGGCCTGCCACTCCTCTCAAACCTGGCTACTCGGCTCTGGCTGCA
 CAATGGGGCTCCTGTCAATGCTTCTGCCTCCTGCCGGGTGTTACCCAGTGGGGACCTGCTGCTGGTAGGC
 AGCCAGCAGGGCTTGGGGGTGTTCCAGTGTGGTCCATAGAAGAAGGATCCGGCAGCTGGTGGCCAGCT
 ACTGCCAGAGGTGAAGGAGGATGGAGTAATGGACCAAAATGACCAGAGTGTGGCACCCCGGTCATTAT
 CAACACATCACGAGTGAAGTGCACCTGCTGGTGGCAGGGCCAGCTGGGGTGCAGACAAGTCATACTGGAAT
 GAATTCCTGGTGTGTACTCTGTTGGGCTTGTGTGGTGTCTGTTCTGTTCTTTCTCTACCGAA
 ATCGGGATGGCATGAAGCTTTCCTAAAGCAGGGCGAATGTGCCAGTGTGCACCCCAAGACTCGCCCTGC
 AGTGTCTCCACCTGAGACCCGACCACTCAATGGTGTGGCCCTCCAGCACCCCTTACCACCCGAGGC
 TACCAGGCTCTGTGGATAGCTCCCGAGGCCCGAGTCTTTACTGAGTCAGAGAAGAGGCCACTGAGTA
 TCCAGGACAGCTTTGTGGAGGTGTCTCTGTGTGCCCGGCCCGAGTTCGACTGGGCTCTGAGATCCG
 AGACTCTGTGGTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001170462
Insert Size: 2466 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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">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:	<u>NM_001170462.1, NP_001163933.1</u>
RefSeq Size:	3449 bp
RefSeq ORF:	2466 bp
Locus ID:	293042
Cytogenetics:	1q31