

Product datasheet for **RN207123**

Sema3d (NM_001104633) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema3d (NM_001104633) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema3d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207123 representing NM_001104633
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATGCTAATAAAGATGAGAACCAAGGCCAGAAGTCAAGATCTTCACCTTTTTTCATGCTGGGATGA
 TGTTAATCGTGACTGTGCTATATCTTCCTGTCCTGAAACATCTAAACAAAATATTCCACCGCTCAAGCT
 AACCTACAAAGACTTGCTGCTCTCAAACACCTGCATTCCCTTTTTGGGTTTCATCAGAAGGACTGGATTTCC
 CAGACTCTTCTTTGGATGAGGAGAGGGGCATACTGCTCCTAGGAGCCAAAGACCATGTCTTCTGCTCA
 ATCTGGTAGACTTGAACAAGAACTTAAGAAGATTTATTGGCCTGCTGCAAAGGAACGAGTGGAACTATG
 TAAACTAGCTGGGAAAGATGCCAATACAGAATGTGCAATTTTCATCCGTGTGCTTCAACCCTACAATAAG
 ACTCATGTTTACGTGTGGAACCTGGAGCATTTCACCTGTGTGGATATATTGATCTTGGAGCCAACA
 AGGAGGAACTCATATTTAACTAGACATGCAGAACCTGGAGTCTGGCAGACTGAAATGTCCTTTGATCC
 TCAGCAGCCTTTTCTCGGTAATGACAGATGAGCACCTCTACTCTGGAACAGCTTCTGATTTTCTTGGC
 AAAGACACTGCATTACACAAGATCCCTTGGGCTAATGCAGGACCACCATTACATCAGAAGTACATTTCCGG
 AACACTACTGGCTCAATGGAGCAAAATTTATCGGAACGTTCCCCATCCCAGACACCTATAATCCGGACGA
 TGACAAAATATATTTCTTCTTTCGGGAATCATCTCAGGAAGGCAGTACTTCTGACAGAAGCATTCTTTCA
 AGAGTTGGGAGAGTTTGTAAAGATGATGTGGGTGGGCAGCGGAGTCTGATAAACAATGGACTACTTTTC
 TTAAGGCAAGACTGGTTTGTCAATTCCTGGAAGTGTGGGGCAGATACTCACTTTGATGAACCTCAAGA
 TATTTACTTACTCCCTACGAGAGATGAAAGAAATCCTGTTGTGTATGGAGCTTTTACCACAACCGATTCC
 ATCTTCAAAGGCTCTGCTGTCTGTGTACAGCATGGCTGATATCAGAGCAGTTTTTAAACGGTCCCTATG
 CTCATAAGGAAAGTGCAGACCATCGTTGGGTGCAATATGATGGAAGGATACCTTATCCCGACCCGGAAC
 GTGTCCCAGCAAAACCTATGATCCACTGATTAAGTCCACCCGAGACTTCCAGATGATGTTATCAGTTTC
 ATAAGGCGGCACCCGGTGTGTATAAGTCGGTGTATCCAGTGGCCGGAGCACCCACCTTCAAGAGAATTA
 ACGTGGATTACAGACTGACGCAGATAGTGGTGGATCACGTGGTCGCTGAAGACGGACAGTATGATGTCAT
 GTTTCTCGGAACAGACATTGGAACCGTCTGAAAGTTGTGAGCATTTCGAAGGAGAAGTGGAAATATGGAG
 GAGGTAGTCTCGAGGAGCTTCAAGTATCAAGCACCCACAGCCATCTTGAACATGGAGTTGTCGCTGA
 AGCAGCAACAGTTGTACGTGGTCTCTGGGATGGATTGGTTCAGTCTCCTTGCACAGATGCGATACTTA
 TGGGAAAGCCTGTGCAGACTGCTGTCTCGCCAGAGACCCTTACTGTGCTGGGATGGAAATGCTTGTCTCC
 AGATATGCACCCACTTCCAAAAGGCGAGCTAGACGCCAGGATGTAAAATATGGAGACCCAATCACTCAGT
 GCTGGGACATAGAAGACAGCATTAGTCATGAAGCAGCTGATGAAAAGGTGATTTTCGGAATTGAATTTAA
 TTCAACCTTTTTGGAATGTATACCTAAATCCCAACAAGCCTCTGTTGAGTGGTACATCCAGCGGTACGGA
 GATGAGCATCGAGAAGAGTTGAAACCCGATGAAAGGATCATCAAAACGGACTATGGGCTACTGATTCCGAA
 GCCTGCAGAAGAAGGACTCTGGGATTTATTACTGCAAAGCACAGGAGCACACTTTTCATCCACACCATAGT
 GAAGCTGACTTTGAATGTCATTGAGAATGAACAGATGGAAAATAACCAGAGGGCAGAATACCAGGAGGGG
 CAGGTCAAGGATCTGTTGGCTGAGTCACGGTTGAGATACAAGACTACATCCAAATCCTTAGCAGCCCAA
 ACTTCAGCCTGGACCAGTACTGTGAGCAGATGTGGTACAGGGAGAAGCGGAGACAGCGCAACAAGGGCAG
 CGCAAAGTGGAAAGCACATGCAGGAAATGAAGAAGAAACGGAATCGACGGCATCACAGAGACCTGGATGAG
 CTTCAGAGATCAGTGGCTACATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001104633
Insert Size: 2334 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">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_001104633.1</u> , <u>NP_001098103.1</u>
RefSeq Size:	4922 bp
RefSeq ORF:	2334 bp
Locus ID:	246262
Cytogenetics:	4q12