

Product datasheet for **RN217276**

Sema4d (NM_001170563) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema4d (NM_001170563) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema4d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN217276 representing NM_001170563
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGATGTGTGCCCCCGTCAGGGGGCTGTTCTTGGCCCTGGTGGCTGTGTGGAGGACCGCGTGGCAT
 TCGCCCTGTGCCTCGGATCACCTGGGAGCACGGAGAGGTAGGTCTGGTGAAGTTTCACGAGCCAGGCAT
 CTTAACTACTCTTCTTCTGCTGATGAGTGAAGACAAAGACTCTGTATGTGGGTGCCCGGGAAGCTGTC
 TTTGCAGTGAATGCGCTGGACATCTCTGAGAAGCAACATGAGGTATACTGGAAGTCTCTGAAGACAAAA
 AATCCAAGTGCAGAGAAAGGGAAATCAAAGCAGACGGAGTGCCTTAACTACATCCGAGTGTGCAACC
 GCTTAGCAGCACTTCCCTCTACGTGTGTGGACCAATGCGTTCAGCCACCTGTGACCCTGAACCTG
 ACCTCTTCAAGTTTCTGGGAAAAGCGAAGATGGCAAAGGAAGATGCCCTTCGACCCCGCCATAGCT
 ACACATCCGTATGGTCGGGGGAGAGCTCTACTCTGGACTTCATATAATTTCTTGGGCAGCGAACCCAT
 CATCTCTCGAAACTTCCCACAGTCCCCTGAGGACAGAGTACGCCATCCCTTGGCTAAACGAGCCTAGC
 TTCGTCTTTGCTGACGTATCCACAAGAGCCAGATGGTACAGAGGCTGAGGATGACAAGGTCTACTTCT
 TCTTACGGAGGTGCCGTGGAGTACGAGTTCGTCTTCAAGTTGATGATCCCGCGAGTTGCCAGGGTGTG
 CAAGGGCGACAGGGCGGCTGCGGACTTTGCAAAAAAGTGGACCTCCTTCTAAAGGCCAGACTGATC
 TGCTCCAGGCCAGACAGTGGCCTGGTCTTCAACATTCTTCAAGATGTGTTTGTGCTGAGGGCCCCGGCC
 TCAAGGAACCTGTGTTCTATGCGGTCTTCAACCCACAGCTGAACAACGTGGGTCTGTGAGCGGTCTGTGC
 CTACACGCTGTCCAGGTGGAGGCCGCTTCTCCCAGGAAAGTACATGCAGAGTGCACAGTGGAGCAG
 TCTCACACCAAGTGGGTACGCTACAATGGCCAGTGCCTACTCCCAGGCTGGAGCGTGTATCGACAGTG
 AGCCCCGGGCAGCCAACACACCACTCCTTGAATCTCCCAGACAAAACGCTGCAGTTTGTCAAAGACCA
 CCCTTTGATGGACGACTCGGTGACGCCAATAGACAACAGGCCGAAACTGATCAAAAAAGATGTCAACTAC
 ACCCAGATAGTGGTAGACAGGACCCAGGCCCTGGATGGGACCTTCTACGACGTCATGTTCTCAGCACAG
 ACCGGGGCGCTCTGCATAAAGCTGTATCCTTGCAAAAGAGGTACACGTGGTTGAGGAGACCCAACCTCTT
 CCAGGACTTGAACCGGTCTGTCTCTGCTGCTATCATCAAAGAAGGGGAGGAAGTTTGTCTATGCTGGC
 TCCAACCTCAGGAGTGGTCCAAGCTCCCCTGGCCTTCTGCGGAAAGCACAGTAGCTGTGAAGACTGTGTGC
 TAGCACGGGACCCCTACTGCGCCTGGAGCCAGCCATCAAGGCCGTGTTACCTTGACCCAGGCAGAGGG
 CTCTAGCAGGGGTGGATTGAGGACATGAGTGGCGACACGTCCTCGTGCCTGGATAAGAGTAAAGAAAGT
 TTCCATCAGCATTTTTCAAGCACGGCGGCACAGCAGAAGTCAAGTGTTCAAAAAGTCCAACCTGGCCC
 GGGTGGTGTGAAAGTCCAGAACGGCGAGTTGAAGGCTGTGAGTCCCAAGTATGGCTTTGTGGGCAGGAA
 GCACCTGCTCATTTAACCTGTGACAGCGGAGACAGCGGTGTGTACCAAGTGCCTGTGAGGAAAAGGGTC
 AGGAATAAAACGGTCTCCAGCTGCTCGCCAAGCACATCCTGGAAGTGAAGTGGTAGCTCGGATCCCCC
 CATCACTACCTCACAGACTGCTCAGACAGAAGGTAGTAGGATCATATCCAAAATGCCTGTGGCGTCTAC
 CCAGGGGTCTCTCCCCTACCCCGGCTGTGTGGCAACCTCCCCAGGGCTGCCACCCTACCTCCCAAG
 TCCTCTCCACCGGCACGTCCTGTGAACCAAAAATGGTATCAACACGGTCCCACAGCTCCACTCGGAGA
 AGACAGTGTATCTCAAGTCCAGTGACAACCGCTGCTCATGTCTCTCCTCTTCTCTTTGTCTCTT
 CCTCTGCCTCTTTCTACAACCTGCTACAAGGGCTACCTGCCCGACAGTGTAAAGTTCCGCTCAGCC
 CTGCTGCTCGCAAAAGAAAAACCAAGTCAAGATTCTCTGACCTGGAGCAGAGTGTGAAGGAGACGCTGG
 TAGAACCTGGGAGCTTCTCGCAGCAGAACGGCGACCAGCCCAAGCCAGCCTTGGATACCGCTATGAAAC
 CGAGCAGGACACTATCACAGCAAGTCCCACCGATCGAGAGGACTCGAACGTATCGACGAGCTCTCC
 GCCAGGGACAAACCGTTTGTGATGTCAAGTGTGAACCTCAAGTTTGCAGACTCGGATGCCGACGGGG**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACC�: NM_001170563
Insert Size: 2589 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_001170563.1, NP_001164034.1</u>
RefSeq Size:	4187 bp
RefSeq ORF:	2589 bp
Locus ID:	306790
Cytogenetics:	17p14