

Product datasheet for **RN205977**

Sema4f (NM_019272) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema4f (NM_019272) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema4f
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN205977 representing NM_019272
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGGCAGGGCCGAGCGGCCCGCCGGCCCGCCGGCCCGCTCCGGTCTTCCCTTCCCGCCGCGC
 TGTCGCTGCTGCTGCTGCTGGCGATACTAAGCGCCCGGTGTGCGGCCGGTCCCGCTCAGTGCCAG
 AACCTCGTGCATCTCCGAGGCTGACTCCTATCTACCCGGTTTGCAGCGTCTCATACGTACAATTAC
 TCTGCTCTCCTTGTGGATCCTGCCTCCCACACTTTACGTGGTGCACGGGATAGCATCTTCGTTTAA
 CCCTCCCTTCTCTGGGAAAGACCCCCAAGGATCGACTGGATGGTACCTGAGACTCACAGACAGAAGT
 CAGGAAGAAAGCAAGAAAGAGGACGAATGTACAATTTATCCAGATTCTCGCCATTGTCAATGCCTCT
 CACCTCTCACGTGCGGCACCTTCGCTTTTGTCCGAAGTGGGGGTTATTGATGTGTCCAGTTCCAGC
 AGGTTGAAAGACTTGAGAGCGGCCGGGGAAATGTCCTTTGAGCCAGCTCAACGGTCAGCAGCTGAAT
 GGCTGGGGCGTCTCTACACCCCACTGTGAAGAACTTCTGGGGACTGAGCCATCATCTCCGAGCT
 GTGGGTGAGCTGAGACTGGATTGCAACAGAGACCTTGTATCCTGGCTTAATGCTCCAGCCTTTGTGC
 CAGCTATGGTCTGAGCCAGCTGAGTGGGGGATGAAGATGGAGACGATGAAATCTTTTTTTCTTTCAC
 GGAGACCTCCCGAGTGTGGACTCCTATGAGCGCATCAAGGTCCCAAGAGTGGCCGAGTGTGTGCGGGG
 GACCTTGGGGGACGGAAGACCCTTCAGCAGAGATGGACGACGTTTCTGAAGGCTGACCTGCTGTGCCAG
 GGCCCGAGCATGGCCGGCCCTCCGGGTTCTGCAGGCTATGGCAGAGCTTCGGCTCAGCCTGGAGCGGG
 AACCCCATCTTTATGGGATCTTTCTCCAGTGGGAAGGAGCTGCCATCTCTGCTGTGTGTGCCTTC
 CGACCCCAAGACATCCGGGCAGTGTGAATGGTCCCTTTAGAGAGCTAAAACATGACTGCAACAGGGGAC
 TGCTGTGATGGACAACGAGGTGCCCGCCAGCCAGACCTGGAGAGTGCATCGCCAACAACATGAAGTCCA
 GCAGTTTGGATCCTCACTCTCCCTGCCAGACCGGTGCTCACCTTTATCAGAGACCACCCTCTCATGGAC
 AGGCCCGTGTCCCGGCTGACGGCCGCCCTGCTGGTCACTACAGATACAGCCTATCTCAGAGTGTGG
 CCCACAGGGTGACCAGCCTCTCAGGAAAGAATATGACGTGCTCTACCTGGGACAGAGGATGGACACCT
 CCACCGGGCTGTGCGCATTGGAGCTCAGCTCAGTGTCTTGGAGGATCTGGCCTTGTCCAGAACCACAG
 CCGGTTGAGAGCATGAAATTGTACCAGATTGGCTCCTGGTGGGCTCCATACTGAGGTGACACAAGTGA
 ACACCAGCAACTGTGGCCGTCTCCAGAGCTGCTCGGAGTGTATCCTGGCCAGGACCCCGTGTGCGCCTG
 GAGCTTCCGGCTTGATGCTTGTGTGGCCACGCCGGCAGCACCCGGGATGGTTCAAGATATAGAGTCA
 GCGGATGTCTCTTTTGTGTCAAAAGAACCTGGAGAACATCCCGTAGTGTGTTGAAGTCCGGTGGCTA
 CTGTGGGCCACGTGGTCTGCCATGTTCCCCAGTTCTGCCTGGGCATCCTGTGTGTGGCACCAGCCAG
 TGGAGTACTGCGCTCACTCCCCGGAGGGATGGACTAGAGGTGGTGGTGACCCAGGGGCCATGGGGCT
 TATGCTTGCAGTGTGAGGAGGGTGGAGCCGCCCGTGGTGGCTGCTTATAGCTTGGTGTGGGGCAGCC
 AGCGGGGACCCCTCAAACCGGGCCACACCGTGTGGGGCTGGATTGGTTGGCTTCTCCTGGGTGTTCT
 TGCAGCATCCCTCACTCTCCTCTGATTGGTCGCCGTGAGCAGCGTGGCGACAGAGGGAGCTTCTAGCT
 AGAGACAAGGTGGGCTTAGATCTGGGGCTCCACCTTCTGGGACCACAAGCTATAGTCAGGACCCCTCCCT
 CTCCTTCCGCTGAAGATGAACGGCTGCCCTGGCCCTGGGTAAGCGGGGAGTGGTTTTGGTGGCTTCCC
 TCCACCTTCTGCTGGATTCTTGCCAAAGCCAGCCACATCCGGCTCACTGGGGCGCCTTAGCCAGC
 TGTGATGAGACCTCCAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019272
Insert Size: 2331 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:	NM_019272.1 , NP_062145.1
RefSeq Size:	4008 bp
RefSeq ORF:	2331 bp
Locus ID:	29745
UniProt ID:	Q9Z143
Cytogenetics:	4q34
Gene Summary:	has axon growth-cone collapse activity [RGD, Feb 2006]