

Product datasheet for **RN214271**

Sema6c (NM_017308) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema6c (NM_017308) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sema6c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214271 representing NM_017308
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCGTGCCCCCACTCCATGCCCTTGCTGCTGCTGTGCTGCTGCTACTCCCCAAGCCCAGACTG
 CCTTCCAGGACCCCATCCCTCTGTTGACCTCTGACCTACAAGGTACCTCTCCGTCATCCTGGTTCCG
 GGGCTGGAGGACGATGCTGTGGCTGCGGAACCTGGGCTGGACTTTCAGAGATTCCTGACCTTGAACCGG
 ACCTTGCTGTGGCTGCCGGGATCACGTTTTCTCCTTCGATCTTCAAGCCCAAGAAGAAGGGGAGGGGC
 TGGTGCCCAACAAGTTTCTGACATGGCGGAGCCAAGACATGGAGAATTGTGCTGTCCGGGAAAGCTGAC
 GGACGAATGCTACAACACTACATCCGTGTTCTTGTCCCTGGGACTCGCAGACACTCCTTGCCTGTGGAACA
 AATTCCTTCAGCCCTGTGTGTCGACGATGGGATAACATCTCTGCAACAGGAGGGTGAGGAGCTGAGTG
 GGCAAGCTCGATGCCCTTTGATGCCACCCAGTCCACTGTGCCATCTCTGCAGAGGGTAGTTTGTACTC
 AGCCACAGCAGCAGATTTCCAGGCCAGTGTGCTGGTTTACAGAAGCCTTGGACTCAGCCCCACTC
 CGTTCTGCAAAGTATGACTCCAAGTGGCTTCGAGAGCCACACTTTGTCTATGCTTTGGAGCATGGAGACC
 ATGTCTACTTCTTCCGAGAAGTCTCTGTGGAGGACGCCCGCTGGGAGGGTGCAGTTTTCCCGGGT
 GGCCCGGGTGTGTAACGTGACATGGGTGGCTCACACGGGCCTTGGATCGCCACTGGACATCCTTCCTT
 AAGCTGAGGCTCAACTGCTCCGTCCTGGGACTCTACCTTCTACTTTGATGTCTTACAGTCCTTAACTG
 GGCCTGTGAACCTGCATGGGCGCTCTGCCCTCTTTGGGTCTTCACTACTCAGACCAATAGCATTCTGG
 GTCTGCAGTCTGCGCCTTCTACCTAGATGACATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAGCAGAGG
 AGTCTGGATGGGCGCTGGACTCCTGTGTCTGAGGACAAAGTCCCTCACCCAGGCCAGGGTCTGTGCAG
 GTGTGGGTGCAGCTGCCATTATCTCCTCTCAAGACCTGACGATGTCTGCTCTTCATCAAGG
 ACACCCACTGCTGGATCCCGCTGTGCCACTGCCACCCATCAACCTCTCCTCACTGACTAGCAGGGCT
 CTAAGTACCCAGGTAGCTGTGGATGGTATGGCTGGCCCCACAGAATACTACAGTCCTGTTTTCTGGCT
 CCAATGATGGGACAGTGTGAAGGTGCTACCTCCAGGGGACAGTCTCTGGGACCCGAGCCTATCATATT
 GGAAGAGATTGATGCCTACAGCCATGCCGGTGCAGTGGGAAGCGGTACCCCGAGCTGCTCGACGGATC
 ATAGGGCTGGAGCTGGACTGAGGGTACAGGCTTTTTGTGGCCTTCTGGATGCATCGTCTACCTCT
 CTCTCAGCCGCTGTGCCCGCATGGAGCATGTGAGGAGCTGCCTGGCTTCTTGGACCCATACTGTGG
 ATGGCATCGTTCCGAGGCTGTGTGAATATCAGGGGACCTGGAGGACTGATGTGGATCTGACTGGGAAC
 CAGGAATCCATGGAGCATGGTACTGCCAAGATGGAGCGACTGGGAGTCAGTCTGGCCCTGGAGATTCTG
 CCTATGTCTTCTGGGTCTGGCCCTTCCCTGAGACCCCAAGTCCCCCAAGTATGCCACCCAGGGCC
 CAGTCTTCCACTCTGGAGCTCACACTCAGGGCGTGCGCAGGGACCTTCCCCAGCCTCAGCCTCCCGA
 TCCATCCCATCCCACTCCTCCTGGCCTGTGTGGCGCGGCCCTTCGCTTTGGGCGCCTCAGTCTCCGGCC
 TCTTGGTGTCTGTGCTGTGCTGCGCGAACCGCCGTCCGGAGCAAGGACATCGAGACCCGGGGCTGCC
 GCGCCCCCTCTCCCTTCGAGTCTGGCGAGGCTGCACGGTGGCGGTCTGAGCCCCCGCCTCCGCCCAAG
 GATGGTGTGAGCGCAAACGCCCAAGCTCTACACTACCTTCTGCTCCGCCGAGGGCGGATCCCCAC
 CGGAGCTGGCTGCCTGCCACCCCGGAGACCAGCCCGAGCTGCCGGTGAAGCACCTCCGTGCCTCCGG
 GGGTCCCTGGGAGTGAACCCAGAACGGGAACAACGCTTCGGAGGGCCAGGCCGCCACGGGGCTGCAGC
 GCGGCGGGCGGGCCCGCCCGCGCTGCTGGTGAAGCCACCGCCCTGGCTGCCCGGGCAGGAGGTGG
 AGGTGACCACGCTGGAGGAACTGCTGCGTACCTGCACGGCCCGAGCCGCCAGGAAGGGCAGCGAACC
 TCTCGCTCCGCCCGTTACCTCCCGCCGCTGCTCGGAGCCCGCGCCGCTTGTTCGTGGACTCC
 AGCCCGATGCCTCGTATTGCGTGCCGCGCTGAGGCTCGACGTACCGCCGACGGCAAGCGCGCGGCC
 CGAGCGGGCGGCTGCTCTCGGCCCGGCTCCACGCTGGGCGTCAAGCGCAGCCGAAGATTGCCCTT
 CCCCACGACCGGGCGCCCCGGGCTGCTCACCCGAGTCCCTCGGAGGCCCTCCAGGTAAGTCCGGG
 GGGCCCGGAGGACCTCTGTACTGGCCGGCCGACGGCCACCGCGCGCTCCCTGAAGAGGGTGG
 ACGTGAAGTCTCACTGTGCCAAACCGCCCTCGCCACACCGCCAGCCCGCCCGCACGGCAGCCA
 TTTAACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_017308
Insert Size:	2883 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_017308.1 , NP_059004.1
RefSeq Size:	3272 bp
RefSeq ORF:	2883 bp
Locus ID:	29744
UniProt ID:	Q9WTL3
Cytogenetics:	2q34
Gene Summary:	shows growth cone collapsing activity and is involved in axonal guidance [RGD, Feb 2006]