

Product datasheet for **MC229225**

Sema6c (NM_001272024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sema6c (NM_001272024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Sema6c
Synonyms:	mKIAA1869; Semay
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229225 representing NM_001272024
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGTGCCCCCACTCCATGCCCTGCTGCTCCTGTGCTGTTGCTGTCATCGCTCCCCAAGCCC
 AGGCTGCCTTTCCCAAGACCCACCCCTCTGTTGACCTCTGACCTTCAAGGTGCCTCTCCATCATCCTG
 GTTCCGGGGCTGGAGGACGATGCTGTGGCTGCGAACTTGGGCTGGACTTTCAGAGATTCTGACCTTG
 AACCGGACCTTGCTTGTGGCTGCCGGGATCACGTTTTCTCCTTCGATCTTCAAGCCCAAGAAGAAGGGG
 AGGGGCTGGTGCCCAACAAGTTTCTGACATGGAGGAGTCAAGATATGGAGAACTGTGCAGTCCGGGAAA
 GCTGACGGACGAATGCTACAACACATCCGTGTTCTTGTCCCTGGAACCTGCAGACACTTCTTGCTGT
 GGAACAAATTCCTCAGCCCTATGTGCCGAGCTATGGGATAACATCTCTGCAACAGGAGGGTGAGGAGC
 TGAGTGGGAGGCTCGATGCCCTTTGATGCCACCCAGTCCACTGTGGCCATCTTTCAGAGGGCAGTTT
 GTACTCAGCCACAGCAGAGATTTCCAGGCCAGTGTGTGTAGTTTACAGAAGTCTTGACCTCAGCCT
 CCACTCCGTTCTGCAAAGTATGACTCCAAGTGGCTTCGAGAGCCACACTTTGCTATGCGTTGGAGCATG
 GAGAGCACGTCTACTTCTTCCGAGAAGTCTCTGTGGAGGATGCCCGCTTAGGGAGGGTGCAATTTTC
 CAGGGTAGCCCGGTATGTAACAGTGACATGGGTGGCTCACCTCGGGCCTTGGATCGCCACTGGACATCC
 TTCCTTAAGCTGAGGCTCAACTGCTCTGTCCCTGGGGACTCTACCTTCTACTTTGACGCTTACAGTCTT
 TAACTGGGCTGTGAACCTGCATGGCCGCTCCGCTCTCTTTGGGGTCTTCACTACTCAGACCAATAGCAT
 TCCTGGGTCTGCAGTCTGCGCTTCTACCTAGATGATATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAG
 CAGAGGAGTCTGGATGGGGCTGGACTCCTGTCTGAGGACAAGTCCCCTCACCCAGGCCAGGGTCTCT
 GTGACAGTGTGGGTGCAGTGCCTCGTTCTCCTCTCAAGACCTACCTGATGATGTCCGCTTTCAT
 CAAGGCACACCCGCTGCTGGATCCTGCTGTGCCACCCGCCACCCATCAACCGCTCCTCACTCTGACTAGC
 AGGGCCCTGCTGACCCAGGTAGCTGTGGACGGAATGGCTGGTCCCCACAGAAATACTACTGTCTGTTTC
 TTGGCTCCAACGATGGGACAGTGTGAAGGTGCTACCTCCAGGGGGTCACTCTTTGGGCTGTGAGCCTAT
 CGTCTTGAAGAGATTGATGCCTACAGCCATGCCCGGTGCAGTGGGAAGCGGTACCCCCGAGCTGCGCGG
 CGGATCATAGGGCTGGAGCTGGACTGAGGGTACAGGCTTTTTGTGGCCTTCTCTGGATGATCGTCT
 ACCTCTCTCTCAGCCGGTGTGCCCGCATGGAGCATGTCAGAGGAGCTGCCTGGCTTCTCTGGACCCATA
 CTGTGGATGGCATCGATCCAGAGGCTGCATGAGTATCAGGGACCTGGTGGGACTGATGTCGATCTGACT
 GGAACACAGGAATCCACAGAGCACGGTACTGCCAAGATGGAGCGACCGGGAGTCACTGTGCCCTGGAG
 ATTCTGCTTATGTGCTTCTGGGTCTGGCCCTCCCTGAGACCCCAAGTCCCCAGTGTGCCCAACA
 AGGGCCCCAGTCTTCACTCTTGGAGCTCACACACAGGGCGTGGCAGGGACCTTTCCCCAGCCTCAGCC
 TCCCGATCCATCCCATCCCACTCCTCCTGGCCTGTGTGGCCGCGGCCCTTCGCTTTGGGCGCCTCAGTCT
 CCGGTCTCTTGGTGTCTGTGCTGTGCTGCGCGCAACCGCCGTGCGAGCAAGGACATCGAGACCCCGGG
 GCTGCCGCGCCCCCTCTCCCTTCGACGCTGGCCCGGTGCACGGTGGCGGTCTGAGCCCCGCTCCG
 CCCAAGGATGGAGATGCAGCGCAAACGCCCCAGCTTACACTACCTTCTGCCTCCGCCCCGACGGCGGAT
 CCCACCGGAGCTGGCTGCCTACCCACGCCGGAGACGACGCCGAGCTGCCCGTGAAGCACCTCCGTGC
 CTCGGGGGCCCTGGGAATGGAACAGAAATGGGAACAACGCCTCGGAGGGCCAGGCCGCCACCCACCGG
 GGCTGCAGCGGGGCGGGCGGCCCGCACCGGAGTGTGGTGGAGCCACCGCCCTGGCTGCCCGGGC
 AGGCGGTAGAGGTGACCACGCTGGAGGAACTGCTGCGCTACCTGCACGGCCCTCAGCCGCCAGGAAGGG
 TAGCGAACCTCTCGCTCCGCCCGTTCACCTCCCGGCCCGCCGCTCGGAGCCCGGCGCTCGCTGTTT
 GTGGACTCCAGCCGATGCCCGGGATGGGTTCCGCCGCTCAGGCTCGACGTGCCACCCGAAGGCAAGC
 GCGCTGCCCGAGCGGGCGGCTGCTCTCGGCCAGCCCGCGCTGGGTGTCGGCGGACGCCCGC
 ATTGCCCTTTCCACACACCGGGCGCCCCGGCCTGCTCAGCGAGTGCCTCGGGAGGCCCGGCCAGG
 TACTCCGGGGGGCCGGGAGCACCTCCTGTACCTGGGCCGCCGAAGGCCATCGGGCGGCTCCCTGA
 AGAGGGTGGACGTGAAGTCTCCGCTGTGCCCAAGCCGCCCTCGCTCCCGCCGACGCCCGCCCGCA
 CGGTGGTCATTTCAACTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001272024
Insert Size:	2892 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_001272024.1</u> , <u>NP_001258953.1</u>
RefSeq Size:	4140 bp
RefSeq ORF:	2892 bp
Locus ID:	20360
UniProt ID:	<u>Q9WTM3</u>
Cytogenetics:	3 F2.1
Gene Summary:	<p>May be a stop signal for the dorsal root ganglion neurons in their target areas, and possibly also for other neurons. May also be involved in the maintenance and remodeling of neuronal connections (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript from the same strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>