

## Product datasheet for **MC222684**

### Sema6c (NM\_011351) Mouse Untagged Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Sema6c (NM_011351) Mouse Untagged Clone |
| Tag:                      | Tag Free                                |
| Symbol:                   | Sema6c                                  |
| Synonyms:                 | mKIAA1869; Semay                        |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-Entry (PS100001)                  |
| E. coli Selection:        | Kanamycin (25 ug/mL)                    |



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Fully Sequenced ORF: >MC222684 representing NM\_011351  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCCGTGCCCCCACTCCATGCCCTGCTGCTCCTGCTGCTGTTGCTGTCATCGCTCCCCAAGCCC  
 AGGCTGCCTTTCCCAAGACCCACCCCTCTGTTGACCTCTGACCTTCAAGGTGCCTCTCCATCCTG  
 GTTCCGGGGCTGGAGGACGATGCTGTGGCTGCGAACTTGGGCTGGACTTTCAGAGATTCTGACCTTG  
 AACCGGACCTTGCTTGTGGCTGCCCGGATCACGTTTTCTCCTTCGATCTTCAAGCCCAAGAAGAAGGGG  
 AGGGGCTGGTGCCCAACAAGTTTCTGACATGGAGGAGTCAAGATATGGAGAACTGTGCAGTCCGGGGAAA  
 GCTGACGGACGAATGCTACAACATACATCCGTGTTCTTGTCCCTGGAACCTGCAGACACTTCTTGCTGT  
 GGAACAAATTCCTTCAGCCCTATGTGCCGAGCTATGGGATAACATCTCTGCAACAGGAGGGTGAGGAGC  
 TGAGTGGGAGGCTCGATGCCCTTTGATGCCACCCAGTCCACTGTGCCATCTTTCAGAGGGCAGTTT  
 GTACTCAGCCACAGCAGAGATTTCCAGGCCAGTGTGTGTAGTTTACAGAAGTCTTGACCTCAGCCT  
 CCACTCCGTTCTGCAAAGTATGACTCCAAGTGGCTTCGAGAGCCACACTTGTCTATGCGTTGGAGCATG  
 GAGAGCACGTCTACTTCTTCCGAGAAGTCTGTGGAGGATGCCCGCTTAGGGAGGGTGCAGTTTTTC  
 CAGGGTAGCCCGGTATGTAACAGTGACATGGGTGGCTCACCTCGGGCCTTGGATCGCCACTGGACATCC  
 TTCTTAAGCTGAGGCTCAACTGCTCTGTCCCTGGGGACTCTACCTTCTACTTTGACGCTTACAGTCTCT  
 TAACTGGGCTGTGAACCTGCATGGCCGCTCCGCTCTCTTTGGGGTCTTCACTACTCAGACCAATAGCAT  
 TCCTGGTCTGCAGTCTGCGCTTCTACCTAGATGATATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAG  
 CAGAGGAGTCTGGATGGGGCTGGACTCCTGTCTGAGGACAAGTCCCCTCACCCAGGCCAGGGTCTCT  
 GTGACGGTGTGGTGCAGTGCCTCGTTCTCCTCTCAAGACCTACCTGATGATGTCTCTTCTCAT  
 CAAGCACACCCGCTGCTGGATCCTGCTGTGCCACCCGCCACCCATCAACCGCTCCTCACTCTGACTAGC  
 AGGGCCCTGCTGACCCAGGTAGCTGTGGACGGAATGGCTGGTCCCCACAGAAATACTACTGTCTGTTTT  
 TTGGCTCCAACGATGGGACAGTGTGAAGGTGCTACCTCCAGGGGGTCACTCTTTGGGCTGTGAGCCTAT  
 CGTCTTGAAGAGATTGATGCCTACAGCCATGCCCGGTGCAGTGGGAAGCGGTACCCCCGAGCTGCGCGG  
 CGGATCATAGGGCTGGAGCTGGACTGAGGGTACAGGCTTTTTGTGGCCTTCTCTGGATGATCGTCT  
 ACCTCTCTCTCAGCCGGTGTGCCCGCATGGAGCATGTCAGAGGAGCTGCCTGGCTTCTCTGGACCCATA  
 CTGTGGATGGCATCGATCCAGAGGCTGCATGAGTATCAGGGGACCTGGTGGGACTGATGTCGATCTGACT  
 GGAACCAAGGAATCCACAGAGCACGGTACTGCCAAGATGGAGCGACCGGGAGTCACTGTGCCCTGGAG  
 ATTCTGCTTATGGCGTGGCAGGGACCTTTCCCAAGCCTCAGCCTCCCGATCCATTCCCATCCCCTCCT  
 CCTGGCCTGTGTGGCCGCGGCCCTTCGCTTTGGGCGCCTCAGTCTCCGGTCTCTTGGTGTCTGTGCTTGT  
 CGTCGCGCAACCGCCGTCGGAGCAAGGACATCGAGACCCCGGGGCTGCCGCGCCCCCTCTCCCTTCGCA  
 GCCTGGCCCGGCTGCACGGTGGCGGTCTGAGCCCCCGCTCCGCCAAGGATGGAGATGCACGCGAAAC  
 GCCCAGCTCTACACTACCTTCTGCCTCCGCCGACGGCGGATCCCCACCGGAGCTGGCCTGCCTACCC  
 ACGCCGGAGACGACGCCGAGCTGCCGTGAAGCACCTCCGTGCCTCCGGGGGCCCTGGGAATGGAACC  
 AGAATGGGAACAACGCCCTCGGAGGGCCAGGCCGCCACCACGGGGTGCAGCGGGCGGGCGGGCCCGC  
 ACCGCGAGTGTGGTGGGACCCGCCCTGGCTGCCCGGGCAGGCGGTAGAGGTGACCACGCTGGAG  
 GAACTGCTGCGCTACCTGCACGGCCCTCAGCCGCCAGGAAGGTAGCGAACCTCTGCTCCGCCCGCT  
 TCACTCCCGGCCGCGCCCTCGGAGCCGCGCCTCGCTGTTCTGTGGACTCCAGCCGATGCCGCGGA  
 TGGCGTTCCGCCGCTCAGGCTCGACGTGCCACCCGAAGGCAAGCGCGCTGCCCGAGCGGGCGCCTGCT  
 CTCTCGGCCCCAGCCCCGCGCTGGGTGTGGCGGCAGCCGCGATTGCCCTTTCCACACACCGGGCGC  
 CCCCAGGCTGCTCAGCGAGTGCCTCGGAGGCCCGGCCAGGTAAGGAGGGTGGACGTGAAGTCTCCGCTG  
 CCTGTACTGGCCGCGCCGAAGCCATCGCGCCGCTCCCTGAAGAGGGTGGACGTGAAGTCTCCGCTG  
 TCGCCCAAGCCGCCCTCGCTCCCGCCGACGCCCGCCGACGGTGGTCATTTCAACTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/jc1620\\_a03.zip](https://cdn.origene.com/chromatograms/jc1620_a03.zip)

|                               |  |
|-------------------------------|--|
| <b>Restriction Sites:</b>     | Sgfl-Mlul  |
| <b>ACCN:</b>                  | NM_011351  |
| <b>Insert Size:</b>           | 2796 bp  |
| <b>OTI Disclaimer:</b>        | 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).   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <a href="#">NM_011351.1</a> , <a href="#">NP_035481.1</a>  |
| <b>RefSeq Size:</b>           | 2843 bp  |
| <b>RefSeq ORF:</b>            | 2796 bp  |
| <b>Locus ID:</b>              | 20360  |
| <b>UniProt ID:</b>            | <a href="#">Q9WTM3</a>   |
| <b>Cytogenetics:</b>          | 3 F2.1   |
| <b>Gene Summary:</b>          | <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 (2) differs in the 5' UTR and lacks an exon in the coding region but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter, compared to 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> |