

## Product datasheet for **MG224118**

### Sema6c (NM\_011351) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Sema6c (NM_011351) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sema6c
Synonyms:	mKIAA1869; Semay
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224118 representing NM\_011351  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCCCGTGCCCCCACTCCATGCCCTGCTGCTCCTGCTGCTGTTGCTGTCATCGCTCCCCAAGCCC  
 AGGCTGCCTTTCCCAAGACCCACCCCTCTGTTGACCTCTGACCTTCAAGGTGCCTCTCCATCATCCTG  
 GTTCCGGGGCTGGAGGACGATGCTGTGGCTGCGGAACCTGGGCTGGACTTTCAGAGATTCTGACCTTG  
 AACCGGACCTTGCTTGTGGCTGCCCGGGATCACGTTTTCTCCTTCGATCTTCAAGCCCAAGAAGAAGGGG  
 AGGGGCTGGTGCCCAACAAGTTTCTGACATGGAGGAGTCAAGATATGGAGAACTGTGAGTCCGGGGAAA  
 GCTGACGGACGAATGCTACAACATACATCCGTGTTCTTGTTCCTGGAACCTGCAGACACTTCTTGCTGT  
 GGAACAAATTCCTCAGCCCTATGTGCCGAGCTATGGGATAACATCTCTGCAACAGGAGGGTGAGGAGC  
 TGAGTGGGAGGCTCGATGCCCTTTGATGCCACCCAGTCCACTGTGCCATCTTTGAGAGGGCAGTTT  
 GTACTCAGCCACAGCAGAGATTTCCAGGCCAGTGTGTGTAGTTTACAGAAGTCTTGACCTCAGCCT  
 CCACTCCGTTCTGCAAAGTATGACTCCAAGTGGCTTCGAGAGCCACACTTTGTCTATGCGTTGGAGCATG  
 GAGAGCACGTCTACTTCTTCCGAGAAGTCTGTGGAGGATGCCCGCTTAGGGAGGGTGCAATTTTC  
 CAGGGTAGCCCGGTATGTAACAGTGACATGGGTGGCTCACCTCGGGCCTTGGATCGCCACTGGACATCC  
 TTCCTTAAGCTGAGGCTCAACTGCTCTGTCCCTGGGGACTCTACCTTCTACTTTGACGCTTACAGTCTT  
 TAACTGGGCTGTGAACCTGCATGGCCGCTCCGCTCTCTTTGGGGTCTTCACTACTCAGACCAATAGCAT  
 TCCTGGTCTGCAGTCTGCGCTTCTACCTAGATGATATTGAACGTGGCTTTGAGGGCAAGTTCAAGGAG  
 CAGAGGAGTCTGGATGGGGCTGGACTCCTGTCTGTCTGAGGACAAGTCCCCTCACCCAGGCCAGGGTCT  
 GTGAGGTGTGGGTGCAGTGCCTCGTTCTCCTCTCAAGACCTACCTGATGATGTCCTTTCAT  
 CAAGGCACACCCGCTGCTGGATCCTGCTGTGCCACCCGCCACCCATCAACCGCTCCTCACTCTGACTAGC  
 AGGGCCCTGCTGACCCAGGTAGCTGTGGACGGAATGGCTGGTCCCCACAGAAATACTACTGTCTGTTTC  
 TTGGCTCCAACGATGGGACAGTGTGAAGGTGCTACCTCCAGGGGGTCACTCTTTGGGCTGTGAGCCTAT  
 CGTCTTGAAGAGATTGATGCCTACAGCCATGCCCGGTGCAGTGGGAAGCGGTACCCCCGAGCTGCGCGG  
 CGGATCATAGGGCTGGAGCTGGACTGAGGGTACAGGCTTTTTGTGGCCTTCTCTGGATGATCGTCT  
 ACCTCTCTCAGCCGGTGTGCCCGCATGGAGCATGTCAGAGGAGCTGCCTGGCTTCTCTGACCCATA  
 CTGTGGATGGCATCGATCCAGAGGCTGCATGAGTATCAGGGGACCTGGTGGGACTGATGTCGATCTGACT  
 GGAACACAGGAATCCACAGAGCACGGTACTGCCAAGATGGAGCGACCGGAGTCACTGTGCCCTGGAG  
 ATTCTGCTTATGGCGTGGCAGGGACCTTTCCCAAGCCTCAGCCTCCCGATCCATTCCCATCCCCTCCT  
 CCTGGCCTGTGTGGCCGCGGCCCTTCGCTTTGGGCGCCTCAGTCTCCGGTCTCTTGGTGTCTGTGCTTGT  
 CGTCGCGCAACCGCCGTCGGAGCAAGGACATCGAGACCCCGGGGCTGCCGCGCCCCCTCTCCCTTCGCA  
 GCCTGGCCCGGCTGCACGGTGGCGGTCTGAGCCCCCGCTCCGCCAAGGATGGAGATGCAGCGCAAAAC  
 GCCCAGCTCTACACTACCTTCTGCCTCCGCCGACGGCGGATCCCCACCGGAGCTGGCCTGCCTACCC  
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 AGAATGGGAACAACGCCCTCGGAGGGCCAGGCCGCCACCACGGGGTGCAGCGGGCGGGCGGGCCCGC  
 ACCGCGAGTGTGGTGGGACCCGCCCTGGCTGCCCGGGCAGGCGGTAGAGGTGACCACGCTGGAG  
 GAACTGCTGCGCTACCTGCACGGCCCTCAGCCGCCAGGAAGGTAGCGAACCTCTGCCTCCGCCCGCT  
 TCACTCCCGGCCGCGCCCTCGGAGCCGCGCCTCGCTGTTCTGTGACTCCAGCCGATGCCGCGGA  
 TGGCGTTCCGCCGCTCAGGCTCGACGTGCCACCCGAAGGCAAGCGCGCTGCCCGAGCGGGCGCCTGCT  
 CTCTCGGCCCCAGCCCCGCGCTGGGTGTGGCGGCAGCCGCGATTGCCCTTTCCACACACCGGGCGC  
 CCCCAGGCTGCTCAGCGAGTGCCTCGGAGGCCCGGCCAGGTAAGGAGGGTGGACGTGAAGTCTCCGCTG  
 CCTGTACTGGGCGGCCGAAGCCATCGCGCCGCTCCCTGAAGAGGGTGGACGTGAAGTCTCCGCTG  
 TCGCCAAAGCCGCCCTCGCTCCCGCCGACGCCCGCCCGCACGGTGGTCATTTCACTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG224118 representing NM\_011351  
 Red=Cloning site Green=Tags(s)

MPRAPHSMPLLLLLLLLSSLPQAQAAFPQDPTLLTSDLQGASPSWFRGLEDDAVAAELGLDFQRFLT  
 NRTLVAARDHVFSFDLQAQEEGGLVPNKFLTWRSDMENCVRGKLTDECYNIRVLPVNSQTLAC  
 GTNSFSMCRSYGITSLQQEHEELSGQARCPFDATQSTVAIFAEGSLYSATAADFQASDAVVYRSLGPQP  
 PLRSAYDSKWLREPHFVYALEHGEHVYFFREVSVEDARLGRVQFSRVARVCKRDMGGSPRALDRHWT  
 FLKLRNLNCSVPGDSTFYFDVLQSLTGPVNLHGRSALFGVFTTQNSIPGSAVCAFYLDDIERGFEGKFE  
 QRSLDGAWTPVSEDKVPSRPGSCAGVGAASFSSQDLRDDVLLFIKAHPLLDPAVPPATHQPLLTLS  
 RALLTQVAVDGMAGPHRNTTVLFLGSDGTVLKVLPPGGQSLGSEPIVLEEIDAYSHARCSGKRSPRAAR  
 RIIGLELDTEGHRLFVAFPGCIVYLSLRCARHGACQRSCLASLDPYCGWHRSGCMSIRPGGTDVLT  
 GNQESTEHGDCQDGATGSQSGPGDSAYGVRDLSPASASRSIPIPLLLACVAAAFALGASVSGLLVSCAC  
 RRANRRRSKDIETPLRPLSLRSLARLHGGGPEPPPPKDGAAQTPQLYTTFLPPDGGSPPELACLP  
 TPETTPELPVKHLRASGGPWEWNQNGNASEGPRPPRGC SGAGGPAPRVLVRPPPGCGPQAVEVTTLE  
 ELLRYLHGPQPPRKGSEPLASAPFTSRPPASEPGASLFDVSSPMPRDGVPPPLRLDVPPEGKRAAPSRPA  
 LSAPAPRLGVGSRRLPFPTHRAPPGLLTRVPSGGPARYSGGPRHLLYLGRPEGHRGRSLKRVYKVSPL  
 SPKPPLASPPQAPHGHNFN

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

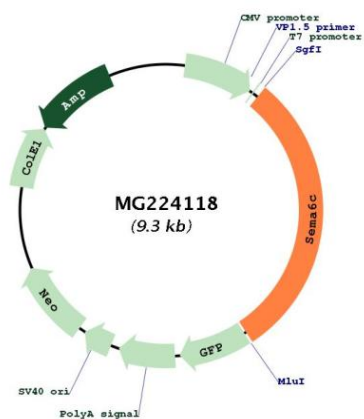
Cloning Scheme:



ACCN: NM\_011351

<b>ORF Size:</b>	2793 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_011351.2</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>	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]

Product images:



Circular map for MG224118