

Product datasheet for **SC329222**

SEMA6C (NM_001178062) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMA6C (NM_001178062) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMA6C
Synonyms:	m-SemaY; m-SemaY2; SEMAY
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001178062, the custom clone sequence may differ by one or more nucleotides

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ATGCCCGTGGCCCCACTTCATGCCCTTGCTGCTACTGCTGCTGCTGCTCTCACTTCCC
CATACTCAGGCCGCCTTTCCCAAGGACCCCTCCCTCTGTTGATCTCTGACCTTCAAGGT
ACTTCCCATTATCCTGGTTTCGGGGCCTGGAGGATGATGCTGTGGTGCAGAACTTGGG
CTGGACTTTCAGAGATTCCTGACCTTGAACCGGACCTTGCTAGTGGCTGCCGGGATCAC
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TGCTACAACATATATTCTGTTCTTGTCCCTGGGACTCCCAGACGCTCCTTGCCGTGGA
ACGAACTCATTACGCCCTGTGTGCCGAGCTATGGGATAACTTCGCTGCAGCAGGAGGGT
GAGGAACTGAGTGGCAGGCTCGATGCCCTTTGATGCCACCCAGTCCAACGTGGCCATC
TTTGCAGAGCCACACTTTGTCCAGGCCTTGAGCATGGAGACCATGTCTACTTCTTCTTC
CGCGAGGTCTCTGTGGAGGATGCTCGGCTGGGGAGGGTGCAGTTCTCCCGTAGCCGA
GTATGTAACGTGACATGGCGGCTCGCCTCGGGCCTTGACCCGCACTGGACATCCTTC
CTGAAGCTTCGGCTCAACTGCTCTGTCCCTGGGACTCTACTTTCTATTTTGATGTTTTA
CAGGCCTTGACTGGCCCTGTGAACCTGCATGGCCGCTCTGCTCTTTGGGGTCTTACC
ACCCAGACCAATAGCATCCCTGGCTCTGCCGTCTGCGCCTTCTACCTGGATGAGATTGAG
CGTGGGTTTGAGGGCAAGTTCAAGGAGCAGAGGAGTCTGGATGGGGCCTGGACTCCTGTG
TCTGAGGACAGAGTTCCTCACCCAGGCCAGGATCCTGTGAGGAGTAGGGGAGCTGCC
TTGTTCTCCTCTTCCCGAGACCTCCCTGATGATGCTCCTGACCTTCAAGGCTCACCCG
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GCCCTACTGACCAAGTAGCTGTGGATGGCATGGCTGGTCCCCACAGTAACATCACAGTC
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AGCTCCAGGGGCTGTGTGGATATCAGGGGATCTGGTGGGACTGATGTGGATCAGGCTGGG
AACCAGGAATCCATGGAGCATGGTACTGCAAGATGGAGCTACTGGGAGTCAGTCTGGC
CCTGGGGATTCTGCTTATGTGCTTCCGGGTCTGGCCCTTCCCCTGGGACCCCACTCCT
CCCAGTGATGCCACCCCGGCCCACTTCCACTCTTGGAGTTCACACTCGGGCGGTG
CGCCGGGACCTGCCCCAGCCTCGGCCTCCCGCTCCCGTCCCATCCCACCTCCTCGGCC
AGTGTGGCCGACGCTTTTGCCTGGGCGCCTCAGTCTCTGGCCTCCTGGTCTCCTGTGCT
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AAGGACGGGGACGCGGTGCAGACGCCGACGCTCTACACCCTTCTGCGCCTCCGGAG
GGCGTGCCCCCGCGGAGCTGGCTGCCTGCCACCCCGAGTCCACGCCGGAGCTGCCG
GTCAAGCACCTCCGCGCCCGGGGACCCCTGGGAGTGAACAGAACAGGAACAACGCC
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CCCAGGCCACGAGTGCCTCGCCGCTGAGGCTGGACGTGCCCGGAGGGCAGGTGC
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CCCAGGGCTACCGGGCCGCGCCTGAAAAGGGTGGACGTGAGAAGCCCACTGTGTC
CTGAAGCCTCCCCTCGTGGGCCCTCCTCCCGCAGGCCGTCCCGAACGGCGGCCGTTTC
AACTTTTAA

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Restriction Sites: Please inquire

ACCN:	NM_001178062
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001178062.1, NP_001171533.1</u>
RefSeq Size:	3904 bp
RefSeq ORF:	2769 bp
Locus ID:	10500
UniProt ID:	<u>Q9H3T2</u>
Cytogenetics:	1q21.3
Protein Pathways:	Axon guidance
Gene Summary:	<p>This gene encodes a member of the semaphorin family. Semaphorins represent important molecular signals controlling multiple aspects of the cellular response that follows CNS injury, and thus may play an important role in neural regeneration. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (3) lacks an exon in the coding region compared to variant 1. The resulting protein (isoform 3) is shorter but has the same N- and C-termini compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>