

## Product datasheet for **SC337808**

### SEMA6A (NM\_001300780) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEMA6A (NM_001300780) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMA6A
Synonyms:	HT018; SEMA; SEMA6A1; SEMAQ; VIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001300780, the custom clone sequence may differ by one or more nucleotides

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ATGAGGTCAGAAGCCTTGCTGCTATATTTACACTGCTACACTTTGCTGGGGCTGGTTCCCAAGATT
CTGAGCCAATCAGTATTTTCGCATGGCAACTATACAAAACAGTATCCGGTGTGGGGCCACAAGCCAGG
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ACCCCCAAACCATCCTTTGCTCCCTTTCCACATCCATGAAGCCCAATGATGCGTGTACATAA
    
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**Restriction Sites:** Sgfl-MluI

<b>ACCN:</b>	NM_001300780
<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>	<u><a href="#">NM_001300780.1</a></u> , <u><a href="#">NP_001287709.1</a></u>
<b>RefSeq Size:</b>	7001 bp
<b>RefSeq ORF:</b>	3144 bp
<b>Locus ID:</b>	57556
<b>UniProt ID:</b>	<u><a href="#">Q9H2E6</a></u>
<b>Cytogenetics:</b>	5q23.1
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Axon guidance
<b>Gene Summary:</b>	<p>The transmembrane semaphorin SEMA6A is expressed in developing neural tissue and is required for proper development of the thalamocortical projection (Leighton et al., 2001 [PubMed 11242070]).[supplied by OMIM, Feb 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>