

## Product datasheet for **SC305398**

### SEMA6B (NM\_032108) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEMA6B (NM_032108) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMA6B
Synonyms:	EPM11; SEM-SEMA-Y; SEMA-VIB; SEMAN; semaZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_032108
Insert Size:	2667 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:	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"><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>
RefSeq:	<a href="#">NM_032108.3</a>



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RefSeq Size: 3961 bp

RefSeq ORF: 2667 bp

Locus ID: 10501

UniProt ID: [Q9H3T3](#)

Cytogenetics: 19p13.3

Protein Families: Transmembrane

Protein Pathways: Axon guidance

MW: 95.3 kDa

**Gene Summary:** This gene encodes a member of the semaphorin family, a group of proteins characterized by the presence of a conserved semaphorin (sema) domain. Whereas some semaphorins are transmembrane proteins, others are secreted. Semaphorins play a major role in axon guidance. The protein encoded by this gene may be involved in both peripheral and central nervous system development. [provided by RefSeq, Jul 2008]