

## Product datasheet for **SC314290**

### SEMA4C (BC017476) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEMA4C (BC017476) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMA4C
Synonyms:	FLJ20369; KIAA1739; M-SEMA-F; M-Sema F; MGC126382; MGC126383; SEMACL1; sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C; SEMAF; Semaf; SEMAI; semaphorin 4C
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for BC017476, the custom clone sequence may differ by one or more nucleotides
Restriction Sites:	Please inquire
ACCN:	BC017476
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:	<u>BC017476.1</u> , <u>AAH17476.2</u>


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<b>RefSeq Size:</b>	2907 bp
<b>RefSeq ORF:</b>	2907 bp
<b>Locus ID:</b>	54910
<b>Cytogenetics:</b>	2q11.2
<b>Domains:</b>	Sema, PSI, IG, PSI
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Axon guidance
<b>Gene Summary:</b>	Cell surface receptor for PLXNB2 that plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2 at 'Tyr-1248'. Required for normal brain development, axon guidance and cell migration (By similarity). Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade.[UniProtKB/Swiss-Prot Function]