

Product datasheet for **SC117466**

SEMA4F (NM_004263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEMA4F (NM_004263) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEMA4F
Synonyms:	M-SEMA; m-Sema-M; PRO2353; S4F; SEMAM; SEMAW
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117466 sequence for NM_004263 edited (data generated by NextGen Sequencing)

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ATGCCGGCCTCTGCTGCGCGGCCCGCCCGGGTCCCGGGCAGCCTACAGCCTCGCCCTTC
CCGCTACTGCTGCTGGCGGTGCTGAGCGGCCCGGTATCCGGCCCGTCCCCCGCTCGGTG
CCCAGAACCTCGTTCCAATCTCTGAGGCTGACTCCTGTCTACCCGGTTCGCAGTCCCT
CACACATAACAATTACTCTGTTCTCCTTGTGGATCCTGCCTCCACACACTTTATGTTGGC
GCCCGGGACACCATCTTCGCTTTATCCCTGCCCTTCTCAGGGGAGAGACCCCGCAGGATT
GACTGGATGGTTCTGAGGCTCACAGACAGAAGTGTAGGAAGAAAGGCAAGAAAGAGGAC
GAATGTCACAATTTTGTCCAGATTCTCGCCATTGCCAATGCCTCTCACCTCCTCACTTGT
GGCACCTTCGCTTTTGTATCCGAAGTGCAGGGTATTGATGTGTCCAGGTTCCAGCAGGTT
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GTAATGGCTGGGGGGTCTCTATGCTGCCACTGTAAAACTACCTGGGGACGGAGCCA
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TGGCTGAACGCCCGACCTTTGTGCGAGCCGTGGCCTTGTAGCCAGCCGAATGGGGGAT
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TACGAGCGCATTAAAGTCCCACGGGTGGCCGTGTGTGTGCGGGGACCTCGGGGGCCGG
AAGACCCTCCAGCAGAGATGGACGACGTTTTTGAAGCTGACCTGCTCTGTCCAGGGCCT
GAGCATGGCCGGGCTCCAGTGTCTGCAGGATGTTGCTGTGCTTCGACCTGAGCTTGGG
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CTAAAACATGACTGCAACAGAGGACTGCCTGTGCGTGGACAATGATGTGCCCCAGCCAGA
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CCTGACCGGTACTCACCTTTCATCCGGGACCACCACACTATGGACAGGCCAGTGTTCCTCA
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TCCCGTACTGAGGTGACACAAGTGAATACAACCAACTGTGGCCGTCTCCAGAGCTGCTCA
GAGTGCATCCTGGCCAGGACCCAGTCTGTGCCTGGAGCTTCCGGCTGGATGAGTGTGTG
GCCCATGCCGGGAGCACCGAGGGTTGGTCCAAGACATAGAGTCAGCAGATGTCTCTCT
TTGTGTCTAAAGAGCCTGGAGAAGTCCAGTAGTGTGTTGAAGTCCCGTGGCTACAGCT
GGCATGTGGTCTTGCCATGTTCTCCAAGCTCAGCATGGGCATCCTGTGTGTGGCACCAG
CCCAGTGGAGTACTGCACTCACCCCCGGCGGGATGGACTGGAGGTGGTGGTGACCCCA
GGGGCCATGGGCGCTTATGCCTGTGAATGTGAGGAGGGTGGGGCAGCCATGTGGTAGCA
GCTTACAGCTTGGTATGGGGCAGCCAGCGAGATGCTCCGAGCCGGGCCACACAGTGGGG
GCGGGACTGGCTGGCTTCTTCTGGGGATTCTCGCAGCATCCCTGACTCTCATTCTGATT
GGTCGGCGTCAGCAGCGACGGCGACAGAGGGAATTCTGGCTAGAGACAAGGTGGGCCTG
GACCTGGGGCTCCACCTTCTGGGACCACAAGCTACAGCCAAGACCCTCCCTCCCCCTCT
CCTGAAGATGAGCGGTTGCCCTGGCCCTGGCCAAGAGGGGCAGTGGCTTGGTGGATTCT
TCACCACCTTCTGCTTGTATCCTTGCCAAGCCAGCCACATTTCGGCTAACTGGGGCT
CCTTAGCCACATGTGATGAAACATCCATCTAG

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Clone variation with respect to NM_004263.3

Restriction Sites: NotI-NotI
ACCN: NM_004263
Insert Size: 4300 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 is a TureClone. Both ends and digest match reference sequence, NM_004263.2.
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:	NM_004263.2 , NP_004254.2
RefSeq Size:	4293 bp
RefSeq ORF:	2313 bp
Locus ID:	10505
UniProt ID:	O95754
Cytogenetics:	2p13.1
Domains:	Sema, PSI, PSI
Protein Families:	Transmembrane
Protein Pathways:	Axon guidance
Gene Summary:	<p>This gene encodes a transmembrane class IV semaphorin family protein, which plays a role in neural development. This gene may be involved in neurogenesis in prostate cancer, the development of neurofibromas, and breast cancer tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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>