

Product datasheet for **SC205658**

SEMA6D (NM_024966) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: SEMA6D (NM_024966) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: SEMA6D
ACCN: NM_024966
Insert Size: 461 bp
Insert Sequence: >SC205658 3'UTR clone of NM_024966

The sequence shown below is from the reference sequence of NM_024966. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGATTGAAGCCTACAACCATGCAAAGTAGGTATATGTTACGAGAACGCCCTTCAGCACTGCTCAAAAA
TTTTCGGCATGTATTTCTAGTCATGCCTTTTGGTCCTCTAAATTAGCAGTGGTTTGGCATAATAG
TGTTTTGTGTTTTTTTCTCATTGAAATAAATCTTGGGTTTGTGTTTTTCCCGAGCTGCTAGGGCGAG
GGGGTGAATGGTTGATGAGTTTAAAAAATAATGCAGCCCTTGTGTTTACCTGTAGAATATGAGAACAT
TTAACAGCACCTCTCTTATCTTGCAGATATTTCCAAGATGCTACATGCAGCAGACAGCTGTGAGCTT
GCATACACACACACAAATATACATGCACATACACAGAATGCAGTACTAGTTAAGTATTTCTT
CCTATCTTTAATAAGTAAGAGAATTTAGACCATTAATAAAAAAAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_024966.3](#)



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Summary:

Semaphorins are a large family, including both secreted and membrane associated proteins, many of which have been implicated as inhibitors or chemorepellents in axon pathfinding, fasciculation and branching, and target selection. All semaphorins possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Additional sequence motifs C-terminal to the semaphorin domain allow classification into distinct subfamilies. Results demonstrate that transmembrane semaphorins, like the secreted ones, can act as repulsive axon guidance cues. This gene encodes a class 6 vertebrate transmembrane semaphorin that demonstrates alternative splicing. Several transcript variants have been identified and expression of the distinct encoded isoforms is thought to be regulated in a tissue- and development-dependent manner. [provided by RefSeq, Nov 2010]

Locus ID:

80031

MW:

17.5