

Product datasheet for RC216341L4V

SEMA6D (NM_153617) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | SEMA6D (NM_153617) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SEMA6D |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_153617 |
| ORF Size: | 3051 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216341). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_153617.1 |
| RefSeq Size: | 5941 bp |
| RefSeq ORF: | 3054 bp |
| Locus ID: | 80031 |
| UniProt ID: | Q8NFY4 |
| Cytogenetics: | 15q21.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Axon guidance |
| MW: | 111.3 kDa |



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Gene 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]