

Product datasheet for RC221685L4

OriGene Technologies, Inc.

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Semaphorin 5A (SEMA5A) (NM_003966) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Semaphorin 5A (SEMA5A) (NM_003966) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Semaphorin 5A

Synonyms: SEMAF; semF

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC221685).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_003966

ORF Size: 3222 bp



Semaphorin 5A (SEMA5A) (NM_003966) Human Tagged Lenti ORF Clone - RC221685L4

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.

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: 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: <u>NM 003966.1</u>

RefSeq Size: 11825 bp

RefSeq ORF: 3225 bp

Locus ID: 9037

UniProt ID: Q13591

Cytogenetics: 5p15.31

Protein Families: Transmembrane

Protein Pathways: Axon guidance

MW: 120.6 kDa

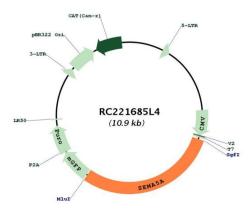
Gene Summary: This gene belongs to the semaphorin gene family that encodes membrane proteins

containing a semaphorin domain and several thrombospondin type-1 repeats. Members of this family are involved in axonal guidance during neural development. This gene has been

implicated as an autism susceptibility gene. [provided by RefSeq, Jan 2010]



Product images:



Circular map for RC221685L4