

Product datasheet for **RC208333L2V**

Semaphorin 3F (SEMA3F) (NM_004186) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Semaphorin 3F (SEMA3F) (NM_004186) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SEMA3F
Synonyms:	SEMA-IV; SEMA4; SEMAK
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004186
ORF Size:	2355 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208333).
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_004186.2 , NP_004177.2
RefSeq Size:	3540 bp
RefSeq ORF:	2358 bp
Locus ID:	6405
UniProt ID:	Q13275
Cytogenetics:	3p21.31
Domains:	Sema, IG, PSI
Protein Families:	Secreted Protein



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Protein Pathways: Axon guidance

MW: 88.2 kDa

Gene Summary: This gene encodes a member of the semaphorin III family of secreted signaling proteins that are involved in axon guidance during neuronal development. The encoded protein contains an N-terminal Sema domain, an immunoglobulin loop and a C-terminal basic domain. This gene is expressed by the endothelial cells where it was found to act in an autocrine fashion to induce apoptosis, inhibit cell proliferation and survival, and function as an anti-tumorigenic agent. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]