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Product datasheet for RC205269L1V

Semaphorin 3c (SEMA3C) (NM_006379) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Semaphorin 3c (SEMA3C) (NM_006379) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Semaphorin 3c
Synonyms:	SEMAE; SemE
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_006379
ORF Size:	2253 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205269).
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_006379.2
RefSeq Size:	5189 bp
RefSeq ORF:	2256 bp
Locus ID:	10512
UniProt ID:	Q99985
Cytogenetics:	7q21.11
Domains:	Sema, IG, PSI
Protein Families:	Secreted Protein

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Protein Pathways: Axon guidance

MW: 85 kDa

Gene Summary: This gene encodes a secreted glycoprotein that belongs to the semaphorin class 3 family of neuronal guidance cues. The encoded protein contains an N-terminal sema domain, integrin and immunoglobulin-like domains, and a C-terminal basic domain. Homodimerization and proteolytic cleavage of the C-terminal propeptide are necessary for the function of the encoded protein. It binds a neuropilin co-receptor before forming a heterotrimeric complex with an associated plexin. An increase in the expression of this gene correlates with an increase in cancer cell invasion and adhesion. Naturally occurring mutations in this gene are associated with Hirschsprung disease. [provided by RefSeq, May 2017]