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Product datasheet for RC216651L1V

SEMA4C (NM_017789) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SEMA4C (NM_017789) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SEMA4C
Synonyms:	M-SEMA-F; SEMACL1; SEMAF; SEMAI
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_017789
ORF Size:	2499 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216651).
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_017789.3
RefSeq Size:	3537 bp
RefSeq ORF:	2502 bp
Locus ID:	54910
UniProt ID:	Q9C0C4
Cytogenetics:	2q11.2
Domains:	PSI, IG, PSI
Protein Families:	Transmembrane

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Protein Pathways: Axon guidance

MW: 92.4 kDa

Gene Summary: Cell surface receptor for PLXNB2 that plays an important role in cell-cell signaling. PLXNB2 binding promotes downstream activation of RHOA and phosphorylation of ERBB2 at 'Tyr-1248'. Required for normal brain development, axon guidance and cell migration (By similarity). Probable signaling receptor which may play a role in myogenic differentiation through activation of the stress-activated MAPK cascade.[UniProtKB/Swiss-Prot Function]