

## Product datasheet for **RC216038L1V**

### Semaphorin 3E (SEMA3E) (NM\_012431) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Semaphorin 3E (SEMA3E) (NM_012431) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Semaphorin 3E
Synonyms:	coll-5; M-SEMAH; M-SemaK; SEMAH
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_012431
ORF Size:	2325 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216038).
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. <a href="#">More info</a>
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:	<a href="#">NM_012431.1</a>
RefSeq Size:	6474 bp
RefSeq ORF:	2328 bp
Locus ID:	9723
UniProt ID:	<a href="#">O15041</a>
Cytogenetics:	7q21.11
Domains:	Sema, ig, PSI
Protein Families:	Secreted Protein


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**Protein Pathways:** Axon guidance

**MW:** 89 kDa

**Gene Summary:** Semaphorins are a large family of conserved secreted and membrane associated proteins which possess a semaphorin (Sema) domain and a PSI domain (found in plexins, semaphorins and integrins) in the N-terminal extracellular portion. Based on sequence and structural similarities, semaphorins are put into eight classes: invertebrates contain classes 1 and 2, viruses have class V, and vertebrates contain classes 3-7. Semaphorins serve as axon guidance ligands via multimeric receptor complexes, some (if not all) containing plexin proteins. This gene encodes a class 4 semaphorin. This gene encodes a class 3 semaphorin. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]