

## Product datasheet for **RC216032L4V**

### Semaphorin 3D (SEMA3D) (NM\_152754) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Semaphorin 3D (SEMA3D) (NM_152754) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Semaphorin 3D
Synonyms:	coll-2; Sema-Z2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_152754
ORF Size:	2331 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC216032).
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_152754.2</a> , <a href="#">NP_689967.2</a>
RefSeq Size:	6276 bp
RefSeq ORF:	2334 bp
Locus ID:	223117
UniProt ID:	<a href="#">O95025</a>
Cytogenetics:	7q21.11
Domains:	IG, PSI
Protein Families:	Transmembrane



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**Protein Pathways:** Axon guidance

**MW:** 89.5 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 like domain and a C-terminal basic domain. The protein encoded by this gene binds neuropilin and plays an important role in cardiovascular development. [provided by RefSeq, Aug 2016]