

Product datasheet for **RC222057L1V**

Plexin A1 (PLXNA1) (NM_032242) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plexin A1 (PLXNA1) (NM_032242) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Plexin A1
Synonyms:	NOV; NOVP; PLEXIN-A1; PLXN1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_032242
ORF Size:	5688 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222057).
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_032242.3 , NP_115618.3
RefSeq Size:	9071 bp
RefSeq ORF:	5691 bp
Locus ID:	5361
UniProt ID:	Q9UIW2
Cytogenetics:	3q21.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance

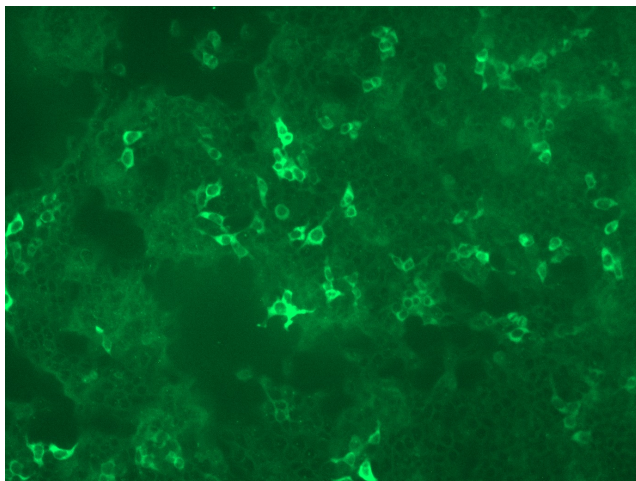


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MW: 211.1 kDa

Gene Summary: Coreceptor for SEMA3A, SEMA3C, SEMA3F and SEMA6D. Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



[RC222057L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC222057L1V particle to overexpress human PLXNA1-Myc-DDK fusion protein.