

## Product datasheet for **RC221024L1V**

### Plexin A2 (PLXNA2) (NM\_025179) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Plexin A2 (PLXNA2) (NM_025179) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Plexin A2
Synonyms:	OCT; PLXN2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_025179
ORF Size:	5682 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221024).
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_025179.2</a> , <a href="#">NP_079455.2</a>
RefSeq Size:	6263 bp
RefSeq ORF:	5685 bp
Locus ID:	5362
UniProt ID:	<a href="#">O75051</a>
Cytogenetics:	1q32.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Axon guidance



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**MW:** 210.9 kDa

**Gene Summary:** This gene encodes a member of the plexin-A family of semaphorin co-receptors. Semaphorins are a large family of secreted or membrane-bound proteins that mediate repulsive effects on axon pathfinding during nervous system development. A subset of semaphorins are recognized by plexin-A/neuropilin transmembrane receptor complexes, triggering a cellular signal transduction cascade that leads to axon repulsion. This plexin-A family member is thought to transduce signals from semaphorin-3A and -3C. [provided by RefSeq, Jul 2008]