

Product datasheet for **RR214764L3V**

Amigo1 (NM_206881) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Amigo1 (NM_206881) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Amigo1
Synonyms:	Amigo
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_206881
ORF Size:	1479 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR214764).
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_206881.1 , NP_996764.1
RefSeq Size:	1482 bp
RefSeq ORF:	1482 bp
Locus ID:	295365
UniProt ID:	Q80ZD7
Cytogenetics:	2q34



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Gene Summary:

Promotes growth and fasciculation of neurites from cultured hippocampal neurons. May be involved in fasciculation as well as myelination of developing neural axons. May have a role in regeneration as well as neural plasticity in the adult nervous system. May mediate homophilic as well as heterophilic cell-cell interaction and contribute to signal transduction through its intracellular domain (PubMed:12629050). Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1 (By similarity).[UniProtKB/Swiss-Prot Function]