

Product datasheet for **MR211197L4V**

Nrp1 (NM_008737) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nrp1 (NM_008737) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nrp1
Synonyms:	C530029I03; NP-1; NPN-1; Npn1; Nrp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008737
ORF Size:	2769 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211197).
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_008737.1 , NP_032763.2
RefSeq Size:	5921 bp
RefSeq ORF:	2772 bp
Locus ID:	18186
UniProt ID:	P97333
Cytogenetics:	8 75.78 cM



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Gene Summary:

Receptor involved in the development of the cardiovascular system, in angiogenesis, in the formation of certain neuronal circuits and in organogenesis outside the nervous system. Mediates the chemorepulsant activity of semaphorins. Binds to semaphorin 3A, the PLGF-2 isoform of PGF, the VEGF165 isoform of VEGFA and VEGFB. Coexpression with KDR results in increased VEGF165 binding to KDR as well as increased chemotaxis. Regulates VEGF-induced angiogenesis (By similarity). Binding to VEGFA initiates a signaling pathway needed for motor neuron axon guidance and cell body migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development (PubMed:26503042).[UniProtKB/Swiss-Prot Function]