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Product datasheet for RC220920L1V

NRP2 (NM_201266) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NRP2 (NM_201266) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NRP2
Synonyms:	NP2; NPN2; PRO2714; VEGF165R2
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_201266
ORF Size:	2793 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC220920).
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_201266.1, NP_957718.1
RefSeq Size:	6671 bp
RefSeq ORF:	2796 bp
Locus ID:	8828
UniProt ID:	O60462
Cytogenetics:	2q33.3
Protein Families:	Druggable Genome, Transmembrane
MW:	102.3 kDa

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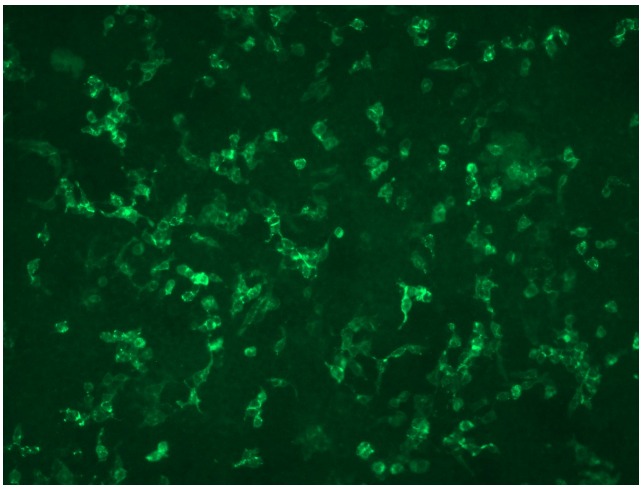
Gene Summary: This gene encodes a member of the neuropilin family of receptor proteins. The encoded transmembrane protein binds to SEMA3C protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C} and SEMA3F protein {sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F}, and interacts with vascular endothelial growth factor (VEGF). This protein may play a role in cardiovascular development, axon guidance, and tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



[RC220920L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC220920L1V particle to overexpress human NRP2-Myc-DDK fusion protein.