

Product datasheet for **RC230720L4V**

Neuron navigator 1 (NAV1) (NM_001167738) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Neuron navigator 1 (NAV1) (NM_001167738) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neuron navigator 1
Synonyms:	POMFIL3; STEERIN1; UNC53H1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001167738
ORF Size:	4449 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230720).
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_001167738.1
RefSeq ORF:	4452 bp
Locus ID:	89796
UniProt ID:	Q8NEY1
Cytogenetics:	1q32.1
MW:	161.2 kDa


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Gene Summary:

This gene belongs to the neuron navigator family and is expressed predominantly in the nervous system. The encoded protein contains coiled-coil domains and a conserved AAA domain characteristic for ATPases associated with a variety of cellular activities. This gene is similar to unc-53, a *Caenorhabditis elegans* gene involved in axon guidance. The exact function of this gene is not known, but it is thought to play a role in neuronal development and regeneration. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2009]