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Product datasheet for RC228506L3V

Neurofascin (NFASC) (NM_001005389) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Neurofascin (NFASC) (NM_001005389) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neurofascin
Synonyms:	NEDCPMD; NF; NRCAML
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001005389
ORF Size:	1857 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC228506).`
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_001005389.1
RefSeq ORF:	1860 bp
Locus ID:	23114
UniProt ID:	O94856
Cytogenetics:	1q32.1
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)
MW:	69.57 kDa

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Gene Summary: This gene encodes an L1 family immunoglobulin cell adhesion molecule with multiple IGcam and fibronectin domains. The protein functions in neurite outgrowth, neurite fasciculation, and organization of the axon initial segment (AIS) and nodes of Ranvier on axons during early development. Both the AIS and nodes of Ranvier contain high densities of voltage-gated Na+ (Nav) channels which are clustered by interactions with cytoskeletal and scaffolding proteins including this protein, gliomedin, ankyrin 3 (ankyrin-G), and betaIV spectrin. This protein links the AIS extracellular matrix to the intracellular cytoskeleton. This gene undergoes extensive alternative splicing, and the full-length nature of some variants has not been determined. [provided by RefSeq, May 2009]