

Product datasheet for **RC213487L3V**

NFH (NEFH) (NM_021076) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NFH (NEFH) (NM_021076) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NEFH
Synonyms:	CMT2CC; NFH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021076
ORF Size:	3060 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213487).
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_021076.2
RefSeq Size:	3695 bp
RefSeq ORF:	3063 bp
Locus ID:	4744
UniProt ID:	P12036
Cytogenetics:	22q12.2
Domains:	filament
Protein Families:	Druggable Genome



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Protein Pathways: Amyotrophic lateral sclerosis (ALS)

MW: 111.7 kDa

Gene Summary: Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene. [provided by RefSeq, Oct 2008]