

Specifications:

Gene:	hNEFH
Accession:	NP_066554.2
Insert size:	3076bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

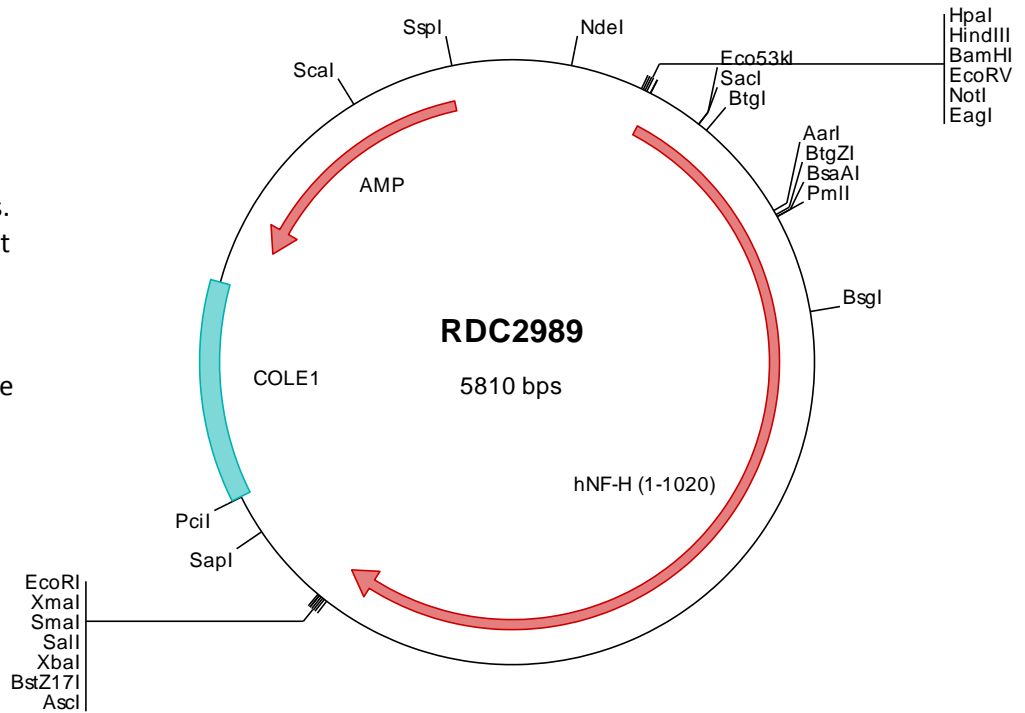
hNF-H cDNA Plasmid

NEFH neurofilament heavy
[*Homo sapiens* (human)]

Also known as: NFH; CMT2CC

Summary:

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. NEFH is the heavy neurofilament protein. Neurofilaments comprise the exoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. NEFH is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in NEFH.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2989 Plasmid DNA Sequence

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> RDC2989 Translated Insert Sequence

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