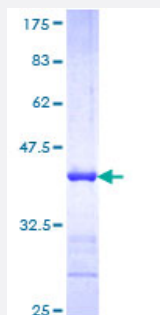


NEFH (Human) Recombinant Protein (Q01)

Catalog # H00004744-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NEFH partial ORF (NP_066554, 263 a.a. - 363 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LKCDVTSALREIRAQLEGHAVQSTLQSEEWFRVRLDRLSEAAKVNTDAMRSAQEEITEYRRQLQARTTELEALKSTKDSLQRSELED RHQADIASYQEA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.85
Interspecies Antigen Sequence	Mouse (98); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NEFH

Entrez GeneID [4744](#)

GeneBank Accession# [NM_021076](#)

Protein Accession# [NP_066554](#)

Gene Name NEFH

Gene Alias NFH

Gene Description neurofilament, heavy polypeptide

Omim ID [105400](#) [162230](#)

Gene Ontology [Hyperlink](#)

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]

Other Designations neurofilament triplet H protein|neurofilament, heavy polypeptide 200kDa

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Dominance](#)
- [Genetic Predisposition to Disease](#)
- [Motor Neuron Disease](#)
- [Multiple Sclerosis](#)
- [Schizophrenia](#)