
Human NEFL Protein

Cat.#:	TD-P1013	Size:	50ug
Protein Name:	NEFL		
Synonym:	NFL; NF-L; NF68; CMT1F; CMT2E		
Uniprot No.:	P07196		
Expression System:	E. Coli		
Compound Identity:	NEFL(e3)-his		
Full Length or Truncated:	Truncated		
Molecular Weight:	32kD		
Form:	freeze-dried powder		
Storage:	-80°C (as supplied)		
Stability:	≥6 months		
Purity:	≥85% estimated by SDS-PAGE		
Supplied in:	1×PBS (pH 7.2)		

Background

Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and they functionally maintain the neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the light chain neurofilament protein. Mutations in this gene cause Charcot-Marie-Tooth disease types 1F (CMT1F) and 2E (CMT2E), disorders of the peripheral nervous system that are characterized by distinct neuropathies. A pseudogene has been identified on chromosome Y.

SDS-PAGE Validation

