

Recombinant Mouse Nfasc Protein, Myc/DDK-tagged

Cat. No. Nfasc-4386M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of mouse full-length neurofascin (Nfasc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.

Species Mouse

Source HEK293

Description 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.

Molecular Mass 138.4 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Nfasc neurofascin [*Mus musculus* (house mouse)]

Official Symbol Nfasc

Synonyms Nfasc; neurofascin; NF; AA387016; mKIAA0756; D430023G06Rik; neurofascin

Gene ID 269116

mRNA Refseq NM_182716

Protein Refseq NP_874385

UniProt ID Q810U3

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