

Recombinant Human NFASC / Neurofascin Protein (His tag)

Cat.NO.: TP07890

3th Edition

Synonyms:NF;NRCAML

Description:NFASC, also known as neurofascin, belongs to the immunoglobulin superfamily, L1/neurofascin/NgCAM family. It contains 5 fibronectin type-III domains and 6 Ig-like C2-type (immunoglobulin-like) domains. NFASC 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. NFASC links the AIS extracellular matrix to the intracellular cytoskeleton.

Form:PBS

Molecular Weight:104.4 kDa

Sequences:Met 1-Gln939

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.