

Product datasheet for **TP762503**

Neurofascin (NFASC) (NM_001005388) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human neurofascin (NFASC), transcript variant 1, 928Ala-1096Thr, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region (928Ala-1096Thr) of NFASC
Tag:	N-His
Predicted MW:	20kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001005388
Locus ID:	23114
UniProt ID:	O94856
RefSeq Size:	10351
Cytogenetics:	1q32.1
RefSeq ORF:	3720
Synonyms:	NEDCPMD; NF; NRCAML



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Summary:

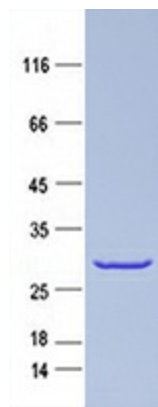
This gene encodes an L1 family immunoglobulin cell adhesion molecule with multiple IGcam and fibronectin domains. The protein functions in neurite outgrowth, neurite fasciculation, and organization of the axon initial segment (AIS) and nodes of Ranvier on axons during early development. Both the AIS 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. [provided by RefSeq, May 2009]

Protein Families:

Transmembrane

Protein Pathways:

Cell adhesion molecules (CAMs)

Product images:

Purified recombinant protein Nfasc186 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.