

Datasheet for ABIN7317169 NFASC Protein (His tag)



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Overview

Quantity:	100 µg
Target:	NFASC
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFASC protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human NFASC/Neurofascin protein (His Tag)
Sequence:	Met 1-Gln939
Characteristics:	A DNA sequence encoding the human NFASC (O94856-12) (Met1-Gln939) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	NFASC
Alternative Name:	NFASC/Neurofascin (NFASC Products)
Background:	Background: 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,

Target Details

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.

Synonym: NF,NRCAML

Molecular Weight: 104.4 kDa

Pathways: [Cell-Cell Junction Organization](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.