

## Recombinant Human NFASC protein, His-tagged

Cat. No. NFASC-1916H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human NFASC aa. (Asn760~Ala1007 (Accession # O94856)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Asn760~Ala1007
<b>Description</b>	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 <sup>+</sup> (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.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 28.3kDa
<b>Endotoxin</b>	<1.0EU per 1ug (determined by the LAL method)

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<b>Purity</b>	>95%
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.
<b>Isoelectric Point</b>	6.5

## GENE INFORMATION

<b>Gene Name</b>	NFASC neurofascin [ Homo sapiens (human) ]
<b>Official Symbol</b>	NFASC
<b>Synonyms</b>	NFASC; neurofascin; NF; NRCAML; neurofascin homolog
<b>Gene ID</b>	23114
<b>mRNA Refseq</b>	NM_001005388.2
<b>Protein Refseq</b>	NP_001005388.2

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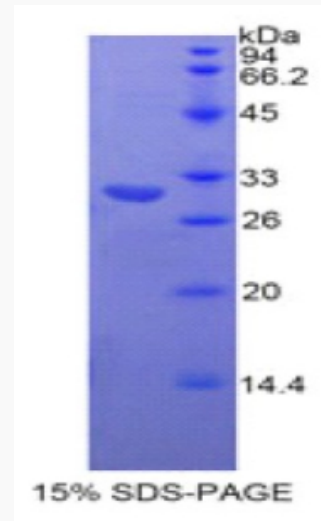
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UniProt ID

O94856

SDS-PAGE



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