

Product Information

MemDX™ Membrane Protein Human NFASC (Neurofascin) Full Length

Cat. No.: **MPC1009K**

This product is for research use only and is not intended for diagnostic use.

This product is a 150 kDa Human NFASC membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

NFASC

Protein Length

Full length

Protein Class

Cell adhesion

Molecular Weight

150 kDa

TMD

1

Sequence

MARQPPPPWVHAAFLCLLSLGGAIIPMDPSIQNELTQPPTITKQSAKD
HIVDPRDNILIECEAKGNPAPSFHWTRNSRFFNIAKDPRVSMRRRSGTLV
IDFRSGGRPEEYEGEYQCFARNKFGTALSNRIRLQVSKSPLWPKENLDPV
VVQEGAPLTLQCNPPPGLPSPVIFWMSSSMEPITQDKRVSQGHNGDLYFS
NVMLQDMQTDYSCNARFHFHTTIQQKNPFTLKVLTTRGVAERTPSFMYPQ
GTASSQMVLRGMDLLECIASGVPTPDIAWYKKGGDLPSDKAKFENFNKA
LRITNVSEEDSGEYFCLASNKMGSIRHTISVRVKAAPYWLDEPKNLILAP
GEDGRLVCRANGNPKPTVQWMVNGEPLQSAPPNPNREVAGDTIIFRDTQI
SSRAVYQCNTSNEHGYLLANAFVSVLDVPPRMLSPRNQLIRVILYNRTRL
DCPFFGSPITLRFWFKNGQGSNLDGGNYHVVYENGSLKMKIRKEDQGIYT
CVATNILGAENQVRLEVKDPTRIYRMPEDQVARRGTTVQLECRVKHDPS
LKLTVSWLKDDPLYIGNRMKKEDDSLTFGVAERDQGSYTCVASTELDQ
DLAKAYLTVLADQATPTNRLAALPKGRPDRPRDLELTDLAERSVRLTWIP
GDANNSPITDYVVQFEEDQFQPGVWHDHISKYPGSVNSAVLRLSPYVNYQF
RVIAINEVGSSHPSLPSERYRTSGAPPESNPGDVKGEGRKNNMEITWTP
MNATSAFGPNLRYIVKWRRRETREAWNNTVWGSRYVVGQTPVYVPYEIR
VQAENDFGKGPEPEVIGYSGEDYPRAAPTEVKVRVMNSTAISLQWNRVY
SDTVQGGQLREYRAYYWRESSLLKNLWVSQKRQQASFPGDRLRGVVSRLFP
YSNYKLEMVVVNGRGDGRSETKEFTTPEGVPSAPRRFRVRQPNLETINL
EWDHPEHPNGIMIGYTLKYVAFNGTKVGKQIVENFSPNQTKFTVQRTDPV
SRYRFTLSARTQVGSGEAVTEESPAPPNEATPTAAPPTLPPTTVGATGAV

SSTDATAIAATTEATTVPPIPTVAPTTIATTTTVATTTTTTAAATTTTES
PPTTTSGTKIHESAPDEQSIWNVTVLPNSKWANITWKHNFGPGTDFVVEY
IDSNHTKKTVPVKAQAQPIQLTDLYPGMTYTLRVYSRDNEGISSTVITFM
TSTAYTNNQADIATQGWFIGLMCAIALLVILLIVCFIKRSRGGKYPVRE
KKDVPLGPEDPKEEDGSFDYSDENKPLQGSQTSLDGTIKQQESDDSLVD
YGEGGEGQFNEDGSFIGQYTVKKDKEETEGNESSEATSPVNAIYSLA

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

NFASC

Full Name

Neurofascin

Introduction

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.

Alternative Names

NFASC; NF; NRCAML; NEDCPMD; neurofascin; neurofascin homolog; Neurofascin

Gene ID

[23114](#)

UniProt ID

[Q94856](#)