

## Product datasheet for TP329070M

### Neurofascin (NFASC) (NM\_001005388) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens neurofascin (NFASC), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC229070 representing NM_001005388
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MARQPPPPWVHAAFLCLLSLGGAI EIPMDPSIQNELTQPPTITKQSAKDHI VDPDNI LIECEAKGNPA  
PSFHWTRNSRFFNIAKDP RVSMRRRSGTLVIDFRSGGRPEEYEGEYQCFARNKFGTALS NRIRLQVSKSP  
LWPKENLDPVVVQEGAPLTLQCNPPG LPSVIFWMSSMEPITQDKRVSQGHNGDLYFSNVM LQDMQTD  
YSCNARFHFTHTIQKNPFTLKVLTTRGVAERTPSFMYPQGTASSQMVL RGMDDLLECIASGVPTPIAW  
YKGGDLPSDKAKFENFNKALRITNVSEEDSGEYFCLASNKMGSIRHTISVRVKAAPYWLDEPKNLILAP  
GEDGRLVCRANGNPKPTVQWMVNGEPLQSAPPNPNREVAGDTIIFRDTQISSRAVYQCNTSNEHGYLLAN  
AFVSVLDVPPRMLSPRNQLIRVILYNRTRLD CFFGSPITLRWFKNGQGSNL DGGNYHVYENGSL EIKM  
IRKEDQGIYTCVATNILGKAENQVRLEV KDPTRIYRMPEDQVARRGTTVQLECRVKHDP SLKLTVSWLKD  
DEPLYIGNRMKKEDDSL TIFGVAERDQGSYTCVASTELDQDLAKAYLTVLADQATPTNRLAALPKGRPDR  
PRDLELTDLAERSVRLTWIPGDANNSPITDYVVQFEEDQFQPGVWHDH SKYPGSVNSAVLRLSPYVNYQF  
RVIAINEVGSSHPSPSERYRTSGAPPESNPGDVKGEGTRKNNMEITWTPMNATSAFGPNLRYIVKWRRR  
ETREAWNNVTWWSRYVVGQTPVYVPYEIRVQAENDFGKGPEPE SVIGYSGEDLPSAPRRFRVRQPNLET  
INLEWDHPEHPNGIMIGYTLKYVAFNGTKV GKQIVENFSPNQTKFTVQRTDPVSRYRFTLSARTQVGSGE  
AVTEESPAPPNEATPTAAPPTLPPTTVGATGAVSSTDATAIAATTEATTVPIIPTVAPTTIATTTT VATT  
TTTTAAATTTTESPPTTSGTKIHESAPDEQSIWNVTVLPNSKWANITWKHNFGPGTDFVVEYIDSNHTK  
KTVPVKAQAQPIQLTDLYPGMTYTLRVYSRDNEGISSTVITFMTSTAYTNNQADIATQGWFI GLMCAIAL  
LVLILLIVCFIKRSRGGKYPVREKKDVPLGPEDPK EEDGSFDYSDENKPLQGSQTSLDGTIKQQESD DS  
LVDYGGEGGEGQFNEDGSFIGQYTVKKDK EETEGNESSEATSPVNAIYSLA

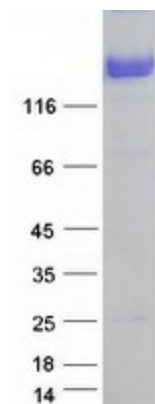
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	135 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	NULL or Add: Recombinant proteins was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_001005388</a></u>
<b>Locus ID:</b>	23114
<b>UniProt ID:</b>	<u><a href="#">O94856</a></u>
<b>RefSeq Size:</b>	10351
<b>Cytogenetics:</b>	1q32.1
<b>RefSeq ORF:</b>	3720
<b>Synonyms:</b>	NEDCPMD; NF; NRCAML
<b>Summary:</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. [provided by RefSeq, May 2009]
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Cell adhesion molecules (CAMs)

**Product images:**

Coomassie blue staining of purified NFASC protein (Cat# [TP329070]). The protein was produced from HEK293T cells transfected with NFASC cDNA clone (Cat# [RC229070]) using MegaTran 2.0 (Cat# [TT210002]).