

## Product datasheet for TP328652M

### Neurofascin (NFASC) (NM\_001160331) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human neurofascin (NFASC), transcript variant 2, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC228652 representing NM\_001160331  
Red=Cloning site Green=Tags(s)

MARQPPPPWVHAAFLCLLSLGGAIIPMDLTQPPTITKQSAKDHIIVDPRDNILIECEAKGNPAPSFHWT  
RNSRFFNIAKDPRVSMRRRSGTLVIDFRSGGRPEEYEGEYQCFARNKFGTALSNRIRLQVSKSPLWPKEN  
LDPVVVQEGAPLTLQCNPPPGLPSPVIFWMSSSMEPITQDKRVSQGHNGDLYFSNVMLQDMQTDYSCNAR  
FHFTHTIQKKNPFTLKVLTNHPYNDSSLRNHPDMYSARGVAERTPSFMYPQGTASSQMVLRGMDLLLECI  
ASGVPTPDIAWYKKGDDLPSDKAKFENFNKALRITNVSEEDSGEYFCLASNKMG SIRHTISVRVKAAPYW  
LDEPKNLILAPGEDGRLVCRANGNPKPTVQWMVNGEPLQSAPPNPNREVAGDTIIFRDTQISSRAVYQCN  
TSNEHGYPVLANAFVSVLDVPPRMLSPRNQLIRVILYNRTRLDCPFFGSPIPTLRWFKNGQGSNLDGGNYH  
VYENGSLKIMIRKEDQGIYTCVATNILGKAENQVRLEVKDPTRIYRMPEDQVARRGTTVQLECRVKHDP  
SLKLTVSWLKDDEPLYIGNRMKKEDDSLTFGVAERDQGSYTCVASTELDQDLAKAYLTVLADQATPTNR  
LAALPKGRPDRPRDLELTDLAERSVRLTWIPGDANNSPITDYVVQFEEDQFQPGVWHDHASKYPGSVNSAV  
LRLSPYVNYQFRVIAINEVGSSHPSPSERYRTSGAPPESNPGDVKGEGTRKNNMEITWTPMNATSAFGP  
NLRYIVKWRRRRETREAWNNTVWGSRYVVGQTPVYVPYRVAENDFGKGPPEPESVIGYSGEDYPRAAP  
TEVKVRVMNSTAISLQWNRVYSDTVQGQLREYRAYWRESSLLKNLWVSQKRQQASFPGDRLRGVVSRLF  
PYSNYKLEMVVVNGRGDGRSETKEFTTPEGVPSAPRRFRVRQPNLETINLEWDHPEHPNGIMIGYTLKY  
VAFNGTKVKGKQIVENFSPNQTKFTVQRTDPVSRYRFTLSARTQVGSGEAVTEESPAPPNEATPTAAYTNN  
QADIATQGWFIGLMCAIALLVILLIVCFIKRSRGGKYPVREKDVPLGPEDPKEEDGSFDYSDENKPL  
QGSQTSLDGTIKQEQESDDSLVDYGEKGEGQFNEEDGSFIGQYTVKKDKEETEGNESSEATSPVNAIYSLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

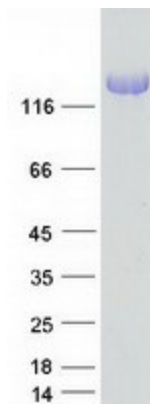
**Tag:** C-Myc/DDK  
**Predicted MW:** 131.1 kDa  
**Concentration:** >0.1 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein 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>	<a href="#">NP_001153803</a>
<b>Locus ID:</b>	23114
<b>UniProt ID:</b>	<a href="#">O94856</a>
<b>Cytogenetics:</b>	1q32.1
<b>RefSeq ORF:</b>	3567
<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# [TP328652]). The protein was produced from HEK293T cells transfected with NFASC cDNA clone (Cat# [RC228652]) using MegaTran 2.0 (Cat# [TT210002]).