

Product datasheet for TP520931

Nfasc (NM_182716) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse neurofascin (Nfasc), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species: Mouse
Expression Host: HEK293T
Expression cDNA >MR220931 representing NM_182716
Clone or AA Sequence: Red=Cloning site Green=Tags(s)

MARQQAPPWVHIALILFLLSLGGAIEIPMDPSIQNELTQPPTITKQSVKDHIVDPRDNILIECEAKGNPA
 PSFHWTRNSRFFNIAKDPVSMRRRSGTLVIDFRSGGRPEEYEGEYQCFARNKFGTALSNRIRLQVSKSP
 LWPKENLDPVWVQEGAPLTLQCNPPLGSPVIFWMSSMEPITQDKRVSQGHNGDLYFSNVMLQDMQTD
 YSCNARFHFTHTIQKKNPFTLKVLTTRGVAERTPSFMYPQGTSSSQMVLRGMDLLECIASGVPTPIAW
 YKKGDLPSNKAKFENFNKALRITNVSEEDSGEYFCLASNKMGSIRHTISVRVKAAPYWLDEPKNLILAP
 GEDGRLVCRANGNPKPTVQWMVNGEPLQSAPPNPNREVAGDTIIFRDTQISSRAVYQCNTSNEHGYPAN
 AFVSVLDVPPRMLSARNQLIRVILYNRTRLDCCFFGSPITLRWFKNGQGSNLDGGNYHVYENGSLIEM
 IRKEDQGIYTCVATNILGKAENQVRLEVKDPTRIYRMPEDQVAKRGTTVQLECRVKHDPKLTVSWLKD
 DEPLYIGNRMKKEDDSLIFGVAERDQGSYTCMASTELDQDLAKAYLTVLADQATPTNRLAALPKGRPDR
 PRDLELTDLAERSVRLTWIPGDDNNSPITDYVWQFEEDQFQPGVWHDHSRFPGSVNSAVLHLSPPVNYQF
 RVIAVNEVGSSHPSPSERYRTSGAPPESNPVDKGEGRKNNMEITWTPMNATSAFGPNLRYIVKWRRR
 ETRETWNNVTVWGSRYVWGQTPVYVPYAIRVQAENDFGKGPEDTIIGYSGEDLPSAPRRFRVRQPNET
 INLEWDHPEHPNGILIGYILRYVPFNGTKLGKQMVENFSPNQTKFSVQRADPVSRYRFSLSARTQVGSGE
 AATEESPAPPNEATPTAAPPTLPPTTVGTTGLVSSTDATAAATSEATTVPIIPTVVPTTVATTIATTTT
 TTAATTTTTTSPPTTTAGTKIHETAPDEQSIWNVTVLPNSKWANITWKHNFRPGTDFVVEYIDSNHTK
 KTVPVKAQAQPIQLTDLFPGMTYTLRVYSRDNEGSSVITFMTSTAYTNNQADIATQGWFIGLMCAIAL
 LVLILLIVCFIKRSRGGKYPVREKKDVPLGPEDPKEEDGSFDYSDENKPLQGSQTSLDGTIKQESDDS
 LVDYEGEGGEGQFNEDGSFIGQYTVKKDKKEETEGNESSEATSPVNAISLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK
Predicted MW: 138.4 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_874385
Locus ID:	269116
UniProt ID:	Q810U3
RefSeq Size:	9795
Cytogenetics:	1 57.42 cM
RefSeq ORF:	3720
Synonyms:	AA387016; D430023G06Rik; mKIAA0756; NF
Summary:	<p>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. [provided by RefSeq, May 2009]</p>