

Product datasheet for TP527158

Cntn1 (NM_007727) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse contactin 1 (Cntn1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR227158 representing NM_007727
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MKMPLLVSHLLLISLTSCLGDFTWHRRYGHGVSEEDKGFPIFEEQPINTIYPEESLEGKVS LNCRARAS
PFPVYKWRMNNGDV DLTNDRYSMVGGNLVINNPDKQKDAGVYYCLASNNYGMVRSTEATLSFGYLD PFPF
EERPEVKVKEGKGMVLLCDPPYHFPDDL SYRWLLNEFPVITMDKRRFVSQTNGNLIANVESSDRGNYS
CFVSSPSITKSVFSKFIPLIPIPERTTKPYPADIVVQFKDIYTM MGQNVTLCEFALGNPVPDIRWRK VLE
PMPSTAEISTSGAVLKIFNIQLEDEGLYECEAENIRGKDKHQARIYVQAFPEWVEHINDTEVDIGSDLYW
PCIATGKPIPTIRWLKNGYSYHKGELRLYDVFENAGMYQ CIAENAYGSIYANAELKILALAPTFEMNPM
KKKILAAKGGRVIECKPKAAPKPKFSWSKGEWLVNSSRILIWEDGSLEINNITRNDGGIYT CFAENNR
GKANSTGTLVITNPTRIILAPINADITVGENATMQCAASFDPALDLTFVWSFN GYVIDFNKEITHIH YQR
NFMLDANGELLIRNAQLKHAGRYTCTAQTIVDNSSASADLVVRGPPGPPGGLRIEDIRATSVALTWSRGS
DNHSPISKYTIQTKTILSDDWKDAKTDPP IIEGNMESAKAVDLIPWMEYEF RVVATNTLGTGEP SPSNR
IKTDGAAPNVAPSDVGGGGGTNREL TITWAPLSREYHYGN NFGYIVAFKPF DGEWKKVTVTNPDTGR YV
HKDETMTPSTAFQVKVAFNNKGDGPYSLVAVINSAQDAPSEAPTEVGVKVLS SSESIVHWKHVLEKIVE
SYQIRYWAGHDKEAAAHRVQVTSQEYSARLENLLPDTQYFIEVGACNSAGCGPSSDVIETFTRKAPPSQP
PRIISSVRSGSRYIITWDHVVALSNESTVTGYKILYR PDGQHDGKLFSTHKHSIEVPIPRDGEYVVEVRA
HSDGGDGVVSQVKISGVSTLSSSLLSLLLPSLGF LLYSEFSGP

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	113.8 kDa
Concentration:	>0.05 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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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_031753
Locus ID:	12805
UniProt ID:	P12960
RefSeq Size:	5720
Cytogenetics:	15 46.39 cM
RefSeq ORF:	3069
Synonyms:	AW495098; CNTN; F3cam; usl
Summary:	Contactins mediate cell surface interactions during nervous system development. Involved in the formation of paranodal axo-glial junctions in myelinated peripheral nerves and in the signaling between axons and myelinating glial cells via its association with CNTNAP1. Participates in oligodendrocytes generation by acting as a ligand of NOTCH1. Its association with NOTCH1 promotes NOTCH1 activation through the released notch intracellular domain (NICD) and subsequent translocation to the nucleus. Interaction with TNR induces a repulsion of neurons and an inhibition of neurite outgrowth.[UniProtKB/Swiss-Prot Function]