

Product datasheet for **TP317072M**

RTN4RL2 (NM_178570) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens reticulon 4 receptor-like 2 (RTN4RL2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC217072 representing NM_178570
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MLPGLRRLLQAPASACLLLMLLALPLAAPSCPMLCTCYSSPPTVSCQANNFSSVPLSLPPSTQRLFLQNN
LIRTLRPGTFGSNLLTLWLFSNNLSTIYPGTFRHLQALEELDLDGDNRHLSLEPDTFQGLERLQSLHLYR
CQLSSLPGNIFRGLVSLQYLYLQENSLHLQDDLFADLANLSHLFLHGNRLRLLEHVFRGLGSLDRLLL
HGNRLQGVHRAAFRGLSRLTILYFNNSLASLPGALADLPSEFLRLNANPWACDCRARPLWAWFQRAR
VSSSDVTCATPPERQGRDLRALREADFQACPPAAPTRPGSRARGNSSSNHLYGVAEAGAPPADPSTLYRD
LPAEDSRGRQGGDAPTEDDYWGGYGGEDQRGEQMCPGAACQAPPDSRGPALSAGLPSLLCLLLVPHHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	45.9 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_848665
Locus ID:	349667



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UniProt ID: [Q86UN3](#)

RefSeq Size: 1263

Cytogenetics: 11q12.1

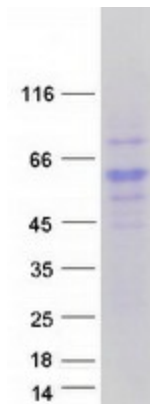
RefSeq ORF: 1260

Synonyms: NgR2; NGRH1

Summary: Cell surface receptor that plays a functionally redundant role in the inhibition of neurite outgrowth mediated by MAG (By similarity). Plays a functionally redundant role in postnatal brain development. Contributes to normal axon migration across the brain midline and normal formation of the corpus callosum. Does not seem to play a significant role in regulating axon regeneration in the adult central nervous system. Protects motoneurons against apoptosis; protection against apoptosis is probably mediated by MAG (By similarity). Like other family members, plays a role in restricting the number dendritic spines and the number of synapses that are formed during brain development (PubMed:22325200). Signaling mediates activation of Rho and downstream reorganization of the actin cytoskeleton (PubMed:22325200). [UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified RTN4RL2 protein (Cat# [TP317072]). The protein was produced from HEK293T cells transfected with RTN4RL2 cDNA clone (Cat# [RC217072]) using MegaTran 2.0 (Cat# [TT210002]).