

Product datasheet for **TP317072**

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)
Species:	Human
Expression Host:	HEK293T
Tag:	C-Myc/DDK
Predicted MW:	45.9 kDa
Concentration:	>50 ug/mL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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
UniProt ID:	Q86UN3
RefSeq Size:	1263
Cytogenetics:	11q12.1
RefSeq ORF:	1260
Synonyms:	NgR2; NGRH1



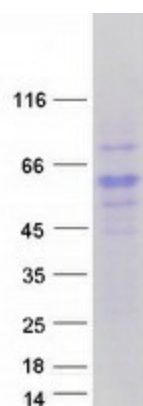
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Summary:

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]).