

## Product datasheet for **TP317072**

### **RTN4RL2 (NM\_178570) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Homo sapiens reticulon 4 receptor-like 2 (RTN4RL2), 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC217072 representing NM_178570 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MLPGLRRLLQAPASACLLMLLALPLAAPSCPMLCTCYSSPPTVSCQANNFSSVPLSLPPSTQRLFLQNN LIRTLRPGTFGSNLLTLWLFSNNLSTIYPGTFRHLQALEELDLGDNRLRLSLEPDTFQGLERLQSLHLYR CQLSSLPGNIFRGLVSLQYLYLQENSLHLQDDLFADLANLSHLFLHGNRLRLLTEHVFRGLGSLDRLLL HGNRLQGVHRAAFRGLSRLTILYLFNNSLASLPGEALADLPSEFLRLNANPWACDCRARPLWAWFQRAR VSSSDVTCATPPERQGRDLRALREADFQACPPAAPTRPGSRARGNSSSNHLYGVAEAGAPPADPSTLYRD LPAEDSRGRQGGDAPTEDDYWGGYGGEDQRGEQMCPGAACQAPPDSRGPALSAGLPSPLLCLLLLVP HL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	45.9 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<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>	<u><a href="#">NP_848665</a></u>



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**Locus ID:** 349667

**UniProt ID:** [Q86UN3](#)

**RefSeq Size:** 1263

**Cytogenetics:** 11q12.1

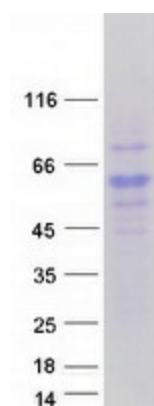
**RefSeq ORF:** 1260

**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]).