

Product datasheet for PH317072

RTN4RL2 (NM_178570) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RTN4RL2 MS Standard C13 and N15-labeled recombinant protein (NP_848665)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217072
Predicted MW:	45.9 kDa
Protein Sequence:	>RC217072 representing NM_178570 Red=Cloning site Green=Tags(s)

MLPGLRRLQLQAPASACLLMLLALPLAAPSCPMLCTCYSSPPTVSCQANNFSSVPLSLPPSTQRLFLQNN
LIRTLRPGTFGSNLLTLWLFNNLSTIYPGTFRHLQALEELDLGDNRHLSLEPDTFQGLERLQSLHLYR
CQLSSLPGNIFRGLVSLQYLQENSLHLQDDL FADLANLSHLFLHGNRLRLLTEHVFRGLGSLDRLLL
HGNRLQGVHRAAFRGLSRLTILYLFNNSLASLPGALADLPSLEFLRLNANPWACDCRARPLWAWFQRAR
VSSSDVTCATPPERQGRDLRALREADFQACPPAAPTRPGSRARGNSSSNHLYGVAEAGAPPADPSTLYRD
LPAEDSRGRQGGDAPTEDDYWGGYGGEDQRGEQMCPGAACQAPPDSRGPAL SAGLPSPLLCLLLL VPHHL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_848665</u>
RefSeq Size:	1263
RefSeq ORF:	1260
Synonyms:	NgR2; NGRH1
Locus ID:	349667



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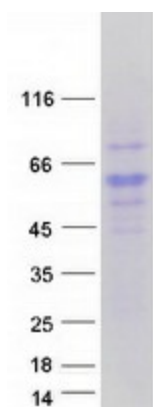
UniProt ID: [Q86UN3](#)

Cytogenetics: 11q12.1

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]).