Recombinant Mouse Rtn4rl2 Protein, Myc/DDK-tagged

Cat. No. Rtn4rl2-5645M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length reticulon 4 receptor-like 2 (Rtn4rl2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cell surface receptor that plays a functionally redundant role in the inhibition of neurite outgrowth mediated by MAG. 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. Like other family members, plays a role in restricting the number dendritic spines and the number of synapses that are formed during brain development. Signaling mediates activation of Rho and downstream reorganization of the actin cytoskeleton.
Molecular Mass	46.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Rtn4rl2 reticulon 4 receptor-like 2 [Mus musculus (house mouse)]
Official Symbol	Rtn4rl2
Synonyms	Rtn4rl2; reticulon 4 receptor-like 2; Ng; Ngr; Ngr2; Ngrh1; Ngrl3; reticulon-4 receptor-like 2; nogo receptor-like 3; nogo-66 receptor homolog 1; nogo-66 receptor-related protein 2
Gene ID	269295
mRNA Refseq	NM_199223
Protein Refseq	NP_954693
UniProt ID	Q7M6Z0

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA