

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	<p>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.</p>
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 [<i>Mus musculus</i> (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

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