RTN4RL1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	RTN4RL1, Blocking Peptide
Full Product Name	RTN4RL1 Peptide - middle region
Product Gene Name	RTN4RL1 blocking peptide
Product Synonym Gene Name	DKFZp547J144; NGRH2; NgR3
Sequence	SPHGPTRSKG HPHGPRPGHR KPGKNCTNPR NRNQISKAGA GKQAPELPDY
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	RTN4RL1 peptide (MBS3242515) is used for blocking the activity of RTN4RL1 antibody (MBS3217619)
Molecular Weight	49kDa
OMIM	610461
Product Categories/Family for RTN4RL1 blocking peptide	Peptide
Applications Tested/Suitable for RTN4RL1 blocking peptide	Western Blot (WB)
Related Product Information for RTN4RL1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-RTN4RL1 Antibody, made Target Description: RTN4RL1 may play a role in regulating axonal regeneration and plasticity in the adult central nervous system.
Other Notes	Small volumes of RTN4RL1 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RTN4RL1 purchase	MBS3242515 is a blocking peptide targeting RTN4RL1. Also known as RTN4RL1 Peptide - middle region. Reactive in Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RTN4RL1. It may not necessarily be applicable to this product.

NCBI GI #	30425553
NCBI GeneID	146760
NCBI Accession #	NP_848663
UniProt Primary Accession #	Q86UN2
UniProt Related Accession #	Q86UN2
GenBank Nucleotide #	NM_178568
NCBI Official Full Name	reticulon-4 receptor-like 1
NCBI Official Synonym Full Names	reticulon 4 receptor like 1

NCBI Official Symbol	RTN4RL1
NCBI Official Synonym Symbols	NgR3; NGRH2
UniProt Protein Name	Reticulon-4 receptor-like 1
UniProt Synonym Protein Names	Nogo receptor-like 2; Nogo-66 receptor homolog 2; Nogo-66 receptor-related protein 3; NgR3
Protein Family	Reticulon-4 receptor
UniProt Gene Name	RTN4RL1
UniProt Synonym Gene Names	NgR3
UniProt Entry Name	R4RL1_HUMAN
NCBI Protein Information	reticulon-4 receptor-like 1
UniProt Comments for RTN4RL1	RTN4RL1: May play a role in regulating axonal regeneration and plasticity in the adult central nervous system. Belongs to the Nogo receptor family. Protein type: Membrane protein, integral; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 17p13.3 Cellular Component: cell surface; anchored to plasma membrane; lipid raft; external side of plasma membrane Molecular Function: receptor activity Biological Process: axon regeneration
Research Articles on RTN4RL1	**1.** Duplication of 10q22.3-q23.3 encompassing NGR3 gene is associated with congenital heart disease, microcephaly, and mild intellectual disability
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