NgR3 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	NgR3, Recombinant Protein
Full Product Name	Recombinant Human NgR3
Product Gene Name	NgR3 recombinant protein
Product Synonym Names	Reticulon-4 Receptor-Like 1; Nogo Receptor-Like 2; Nogo-66 Receptor Homolog 2; Nogo-66 Receptor-Related Protein 3; NgR3; RTN4RL1; NGRH2; NGRL2
Sequence	Cys25-Ala4 19
Host	Mammalian Cells
Form/Format	Lyophilized from a 0.2um filtered solution of 20mM PB, 150mM NaCl, pH7.4
Purity/Purification	Greater than 95% as determined by SDS-PAGE.
Preparation and Storage	The lyophilized protein is stable at -20 degree C for up to 1 year. After reconstitution, the protein solution is stable at -20 to -80 degree C for 3 months or 1 week at 2 to 8 degree C under sterile conditions. For extended storage, it is recommended to further dilute in working aliquots, avoid repeated freeze/thaw cycle.
Molecular Weight	49,065 Da
OMIM	610461
3D Structure	ModBase 3D Structure for Q86UN2
Species	Human
Endotoxin	< 1 EU/ug as determined by LAL test.
Tag	C-terminal His Tag
Reconstitution	Centrifuge the vial at 10000rpm for 30s before opening, reconstitute in sterile distilled water to a concentration of 0.1-1mg/ml by gently pipetting 2-3 times, don't vortex.
Product Categories/Family for NgR3 recombinant protein	cytokines
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for NgR3 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for NgR3 recombinant protein	MBS7621470 is a recombinant protein targeting NgR3. Also known as Recombinant Human NgR3. Host: Mammalian Cells.
Other Notes	Small volumes of NgR3 recombinant protein 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NgR3. It may not necessarily be applicable to this product.

NCBI GI #	30425553
NCBI GeneID	146760
NCBI Accession #	NP_848663.1

UniProt Primary Accession #	Q86UN2
UniProt Secondary Accession #	Q8ND46; A1A5E3
UniProt Related Accession #	Q86UN2
GenBank Nucleotide #	NM_178568.3
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 NgR3	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 NgR3	**1.** Nogo receptor 3, a paralog of NgR1,functions as a NgR1 co-receptor for Nogo-66.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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