

Recombinant Human RTN4R protein, His-tagged

Cat. No. RTN4R-30H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RTN4R, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	Human
Source	Insect Cells
Description	RTN4R, also known as reticulon-4 receptor, is a glycosylphosphoinositol (GPI)-anchored protein that belongs to the Nogo receptor family including three members. It is expressed predominantly in neurons and their axons in the central nervous systems (CNS). It may be proposed as a potential drug target for treatment of various neurological conditions such as spinal cord injury, CNS lesions, peripheral nerve injury, stroke and Alzheimer's disease (AD). It may play a role in regulating the function of the gap junctions.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	46.3kDa (429aa) 40-57kDa (SDS-PAGE under reducing conditions)
AA Sequence	CPGACVCYNE PKVTTSCPQQ GLQAVPVGIP AASQRIFLHG NRISHVPAAS FRACRNLTL WLHSNVLARI DAAFTGLAL LEQLDLSDNAQLRSVDPATF HGLGRLHTLH LDRCLGQELG PGLFRGLAAL QYLYLQDNAL QALPDDTFRD LGNLTHLFLH GNRISVPER AFRGLHSLDRLLLHQRVAH VHPHAFRDLG RLMTLYLFAN NLSALPTEAL APLRALQYLR LNDNPWV CDC RARPLWAWLQ

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KFRGSSSEVP CSLPQRLAGRDLKRLAANDL QGCAVATGPY HPIWTGRATD
 EEPLGLPKCC QPDAADKASV LEPGRPASAG NALKGRVPPG DSPPGNGSGP
 RHINDSPFGT
 LPGSAEPPLT AVRPEGSEPP GFPTSGPRRR PGCSRKNRTR SHCRLGQAGS
 GGGGTGDSEG SLEHHHHHH

Endotoxin < 1.0 EU per 1 microgram of protein (determined by LAL method)

Purity > 90% by SDS - PAGE

Storage Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name RTN4R reticulon 4 receptor [Homo sapiens]

Official Symbol RTN4R

Synonyms RTN4R; reticulon 4 receptor; reticulon-4 receptor; NOGOR; UNQ330/PRO526; nogo receptor; Nogo-66 receptor; NGR;

Gene ID 65078

mRNA Refseq NM_023004

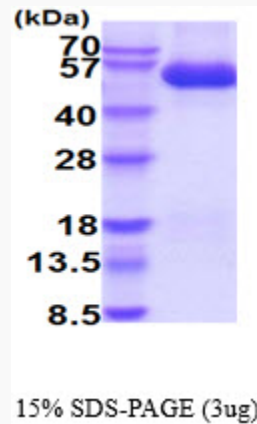
Protein Refseq NP_075380

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MIM	605566
UniProt ID	Q9BZR6
Chromosome Location	22q11
Pathway	p75(NTR)-mediated signaling, organism-specific biosystem;
Function	protein binding; receptor activity;



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