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Datasheet for ABIN1097242

**RTN4R Protein (AA 27-447) (His tag)**

## Overview

Quantity:	50 µg
Target:	RTN4R
Protein Characteristics:	AA 27-447
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RTN4R protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Nogo-66 Receptor/Reticulon 4 Receptor/NGR/RTN4R (C-6His)
Sequence:	CPGACVCYNE PKVTTSCPQQ GLQAVPVGIP AASQRIFLHG NRISHVPAAS FRACRNLTIL WLHSNVLARI DAAAFGLAL LEQLDLSDNA QLRSDPATF HGLGRLHTLH LDRCGLQELG PGLFRGLAAL QYLYLQDNAL QALPDDTFRD LGNLTHLFLH GNRISVPER AFRGLHSLDR LLLHQNRVAH VHPHAFRDLG RLMTLYLFAN NLSALPTEAL APLRALQYLR LNDNPWVWDCD RARPLWAWLQ KFRGSSSEVP CSLPQRLAGR DLKRLAANDL QGCAVATGPY HPIWTGRATD EEPLGLPKCC QPDAADKASV LEPGRPASAG NALKGRVPPG DSPPGNGSGP RHINDSPFGT LPGSAEPPLT AVRPEGSEPP GFPTSGPRRR PGCSRKNRTR SHCRLGQAGS GGGGTGDSEG SVDHHHHHHH
Characteristics:	Recombinant Human Nogo Receptor/NOGOR is produced with our mammalian expression system in human cells. The target protein is expressed with sequence (Cys27-Ser447) of Human NOGOR fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	RTN4R
Alternative Name:	ngr ( <a href="#">RTN4R Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Nogo Receptor (NgR) is a glycosylphosphoinositol (GPI)-anchored protein that belongs to the Nogo receptor family. Human NgR is predominantly expressed in neurons and their axons in the central nervous systems. As a receptor for myelin-derived proteins Nogo, myelin-associated glycoprotein (MAG) and myelin oligodendrocyte glycoprotein (OMG), NgR mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system. NgR may be proposed as a potential drug target for treatment of various neurological conditions. Additionally, NgR may play a role in regulating the function of gap junctions.</p> <p>Alternative Names: Reticulon-4 Receptor, Nogo Receptor, NgR, Nogo-66 Receptor, RTN4R, NOGOR</p>
Molecular Weight:	46.32 kDa
UniProt:	<a href="#">Q9BZR6</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

## Handling

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Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	3 months