

[Go to Product page](#)

Datasheet for ABIN1097230

RTN4RL1 Protein (AA 25-419) (His tag)

Overview

Quantity:	50 µg
Target:	RTN4RL1
Protein Characteristics:	AA 25-419
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RTN4RL1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Nogo-66 Receptor-Related 3/NGR3/RTN4RL1 (C-6His)
Sequence:	CPRDCVCYPA PMTVSCQAHN FAAIPEGIPV DSERVFLQNN RIGLLQPGHF SPAMVTLWIY SNNITYIHPS TFEGFVHLEE LDLGDNRQLR TLAPETFQGL VKLHALYLYK CGLSALPAGV FGGLHSLQYL YLQDNHIEYL QDDIFVDLVN LSHLFLHGNK LWSLGPPTFR GLVNLDRLLL HENQLQWVHH KAFHDLRRLT TLFLFNNSLS ELQGECLAPL GALEFLRLNG NPWDCGCRAR SLWEWLQRFR GSSSAVPCVS PGLRHGQDLK LLRAEDFRNC TGPASPHQIK SHTLTITTDRA ARKEHHSPHG PTRSKGHPHG PRPGHRKPGK NCTNPRNRNQ ISKAGAGKQA PELPDYAPDY QHKFSFDIMP TARP KRKGKC ARRTPIRAPS GVQQAVDHHH HHH
Characteristics:	Recombinant Human Nogo-66 Receptor-Related Protein 3/NGR3 produced by transfected human cells is a secreted protein with sequence (Cys25-Ala419) of Human RTN4RL1 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:	RTN4RL1
Alternative Name:	ngr3 (RTN4RL1 Products)
Sub Type:	Fusionprotein
Background:	<p>Nogo-66 Receptor-Related Protein 3 (NgR3) has primary structures with NgR2 (NgRH1, NgRL3) and biochemical properties that are homologous to Nogo-66 receptor (NgR), and constitute a novel neuronal receptor protein family. NgR is GPI-anchored and contains eight leucine-rich repeats (LRR), it is the neuronal receptor for the myelin-associated proteins Nogo-A, OMgp (oligodendrocyte myelin glycoprotein), and MAG (myelin-associated glycoprotein) and mediates the inhibition of CNS axonal regeneration both in vitro and in vivo. NgR2 and NgR3 have similar structure and distinct but overlapping expression versus NgR. NgR2 can be metalloproteinase-cleaved to release a soluble ectodomain. NgR2 has also been shown to bind MAG, but ligands for NgR3 have not yet been determined. Mature human NgR3 shares 88%, 88%, 48% and 44% amino acid identity with mature mouse NgR3, rat NgR3, human NgRH1 and NgR, respectively. Alternative 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</p>
Molecular Weight:	45.49 kDa
UniProt:	Q86UN2

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

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, 5 % Threhalose, pH 7.2.

Handling

Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
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