

Datasheet for ABIN7275357

Reticulon 4 Protein (RTN4) (AA 27-447) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Reticulon 4 (RTN4)
Protein Characteristics:	AA 27-447
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Reticulon 4 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus NOGOR Protein
Sequence:	Cys27-Ser447
Characteristics:	Recombinant Cynomolgus NOGOR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys27-Ser447.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Cynomolgus NOGOR, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-NOGOR Antibody, hFc Tag with the EC50 of 14.8ng/ml determined by ELISA. See testing image for detail.

Target Details

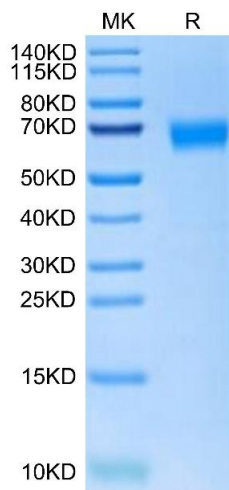
Target:	Reticulon 4 (RTN4)
Alternative Name:	NOGOR (RTN4 Products)
Background:	NOGO Receptor 1 (RTN4R) regulates axonal growth, as well as axon regeneration after injury. The gene maps to the 22q11.2 schizophrenia susceptibility locus and is thus a strong functional and positional candidate gene. RTN4R may modulate the genetic risk or clinical expression of schizophrenia in a subset of patients and identify additional studies that will be necessary to clarify the role of RTN4R in psychiatric phenotypes.
Molecular Weight:	46.34 kDa. Due to glycosylation, the protein migrates to 60-73 kDa based on Tris-Bis PAGE result.
UniProt:	Q9N0E3
Pathways:	Neurotrophin Signaling Pathway , Regulation of Cell Size , SARS-CoV-2 Protein Interactome

Application Details

Restrictions:	For Research Use only
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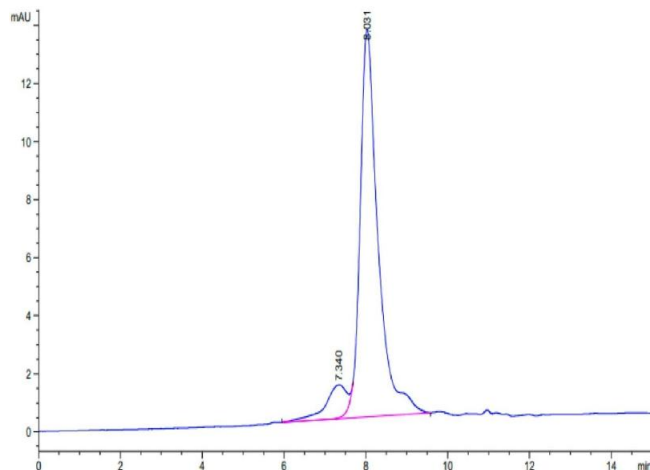
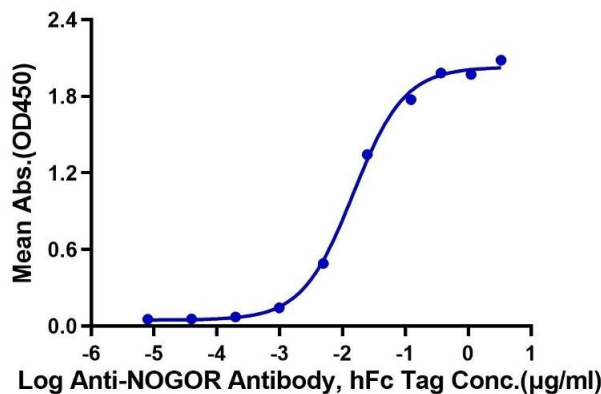
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Cynomolgus NOGOR, His Tag ELISA

0.1µg Cynomolgus NOGOR, His Tag Per Well



SDS-PAGE

Image 1. Cynomolgus NOGOR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

ELISA

Image 2. Immobilized Cynomolgus NOGOR, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-NOGOR Antibody, hFc Tag with the EC50 of 14.8 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus NOGOR is greater than 90 % as determined by SEC-HPLC.