

Human NOGOR Protein

Cat. No. NOG-HM101



Description

Source	Recombinant Human NOGOR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys27-Ser447.
Accession	Q9BZR6
Molecular Weight	The protein has a predicted MW of 46.4 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

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

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.

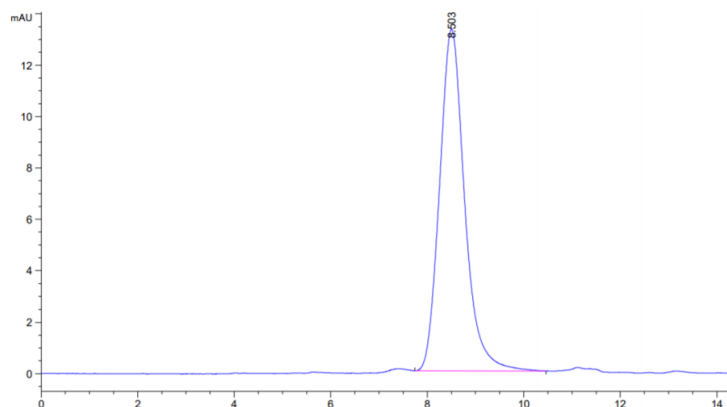
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



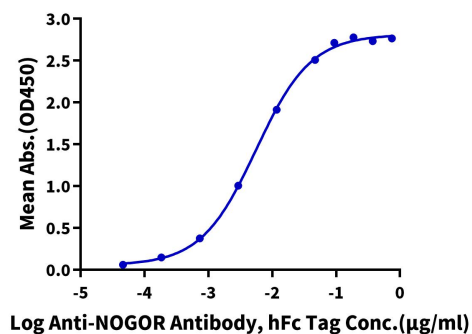
The purity of Human NOGOR is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human NOGOR, His Tag ELISA

0.5µg Human NOGOR, His Tag Per Well



Immobilized Human NOGOR, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-NOGOR Antibody, hFc Tag with the EC50 of 5.6ng/ml determined by ELISA.