

# Human NOGOR Protein

Cat. No. NOG-HM101

## Description

<b>Source</b>	Recombinant Human NOGOR Protein is expressed from Expi293 with His tag at the C-terminal. It contains Cys27-Ser447.
<b>Accession</b>	Q9BZR6
<b>Molecular Weight</b>	The protein has a predicted MW of 46.4 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Supplied as 0.22 $\mu$ m filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated 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.

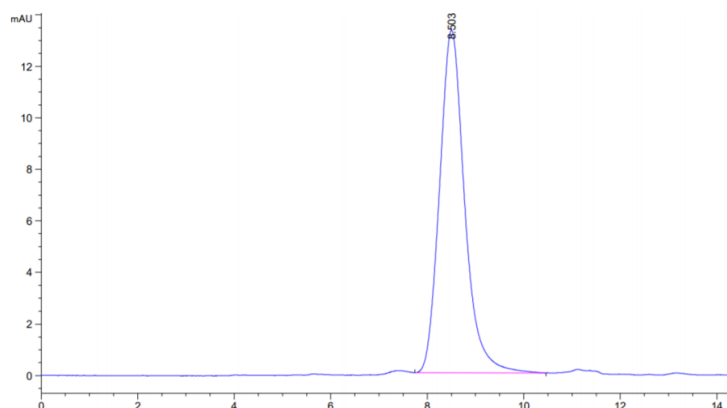
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



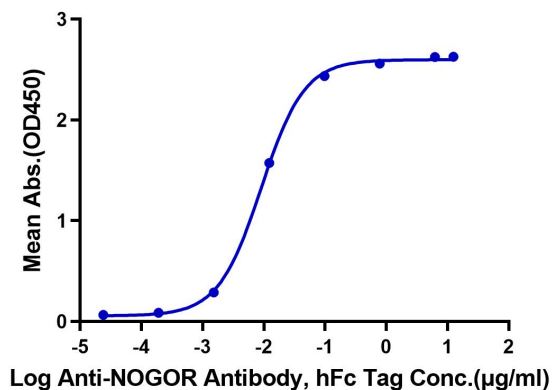
The purity of Human NOGOR is greater than 95% as determined by SEC-HPLC.

### ELISA Data

Assay 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 9ng/ml determined by ELISA.