

Cynomolgus NOGOR Protein

Cat. No. NOG-CM101



Description

Source	Recombinant Cynomolgus NOGOR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Cys27-Ser447.
Accession	Q9N0E3
Molecular Weight	The protein has a predicted MW of 46.34 kDa. Due to glycosylation, the protein migrates to 60-73 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	Supplied as 0.22 μm filtered solution in PBS (pH 7.4).
Storage	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 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

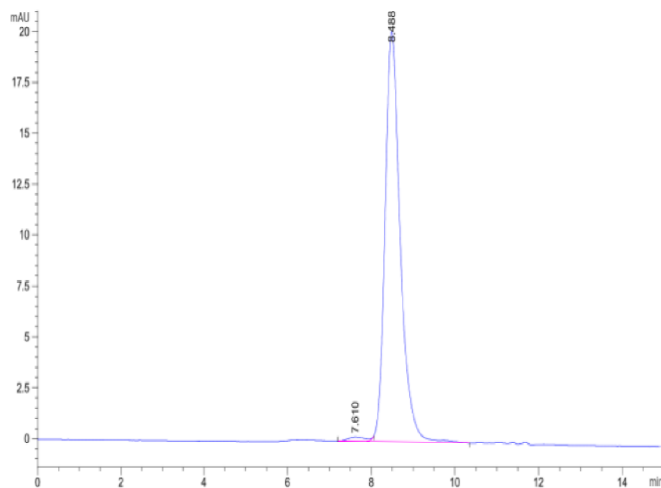
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

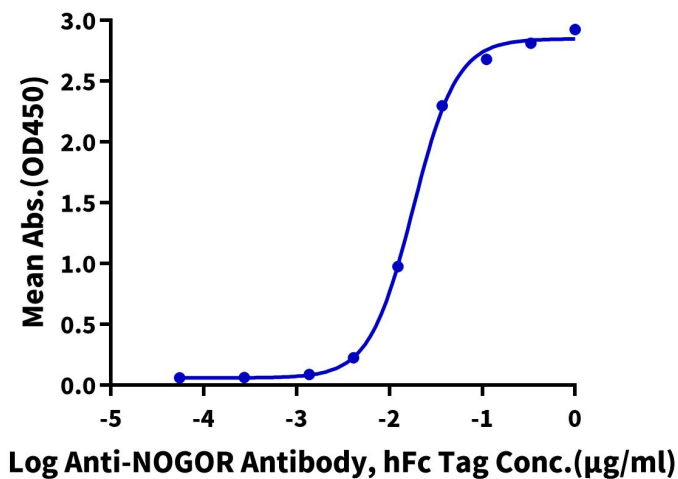


The purity of Cynomolgus NOGOR is greater than 95% as determined by SEC-HPLC.

ELISA Data

Cynomolgus NOGOR, His Tag ELISA

0.2µg Cynomolgus NOGOR, His Tag Per Well



Immobilized Cynomolgus NOGOR, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-NOGOR Antibody, hFc Tag with the EC50 of 18.0ng/ml determined by ELISA.