

Bioactive

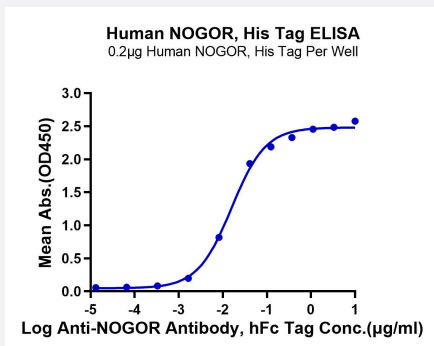
HuPro®

# RTN4R (Human) Recombinant Protein

Catalog # P9913

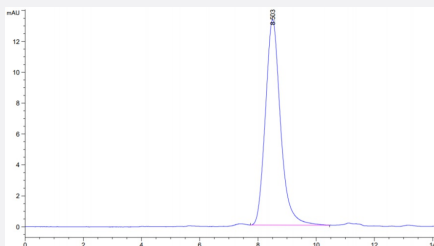
Size 100 ug

## Applications



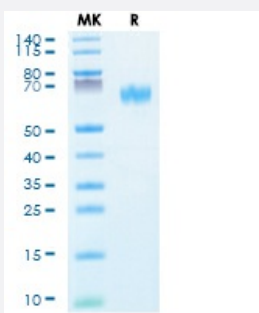
## Enzyme-linked Immunoabsorbent Assay

Immobilized Human NOGOR, His Tag at 2 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-NOGOR Antibody, hFc Tag with the EC50 of 15.8 ng/mL determined by ELISA.



## SEC-HPLC

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



## Tris-Bis PAGE

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

## Specification

Product Description	Human RTN4R (Q9BZR6, Cys27-Ser447) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Cys27-Ser447
Host	Human
Theoretical MW (kDa)	46.4
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC <sub>50</sub> was 15.8 ng/mL, measured by ELISA at 2 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human NOGOR is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human NOGOR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

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- Functional Study

- SDS-PAGE

## Gene Info — RTN4R

Entrez GeneID	<a href="#">65078</a>
Protein Accession#	<a href="#">Q9BZR6</a>
Gene Name	RTN4R
Gene Alias	NGR, NOGOR
Gene Description	reticulon 4 receptor
Omim ID	<a href="#">181500</a> <a href="#">605566</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes the receptor for reticulon 4, oligodendrocyte myelin glycoprotein and myelin-associated glycoprotein. This receptor mediates axonal growth inhibition and may play a role in regulating axonal regeneration and plasticity in the adult central nervous system. [provided by RefSeq]
Other Designations	Nogo-66 receptor UNQ330/PRO526 nogo receptor

## Disease

- [DiGeorge syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)