

# Mouse Nogo Receptor (His Tag) recombinant protein



Catalog Number: 500415

## General Information

### Gene Name Synonym

Nogo receptor; Nogo-66 receptor

### Protein Construction

A DNA sequence encoding the mature form of mouse RTN4R (NP\_075358.1) (Met 1-Ser 447) was expressed, fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized recombinant Mouse RTN4R at 2 µg/ml (100 µl/well) can bind biotinylated human RTN4 (GST Tag) with a linear range of 0.04-0.625 µg/ml.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Cys 27

### Molecular Mass

The secreted mature form of mouse RTN4R consists of 432 amino acids and has a predicted molecular mass of 47 kDa. Due to glycosylation, rmRTN4R migrates as an approximately 65 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

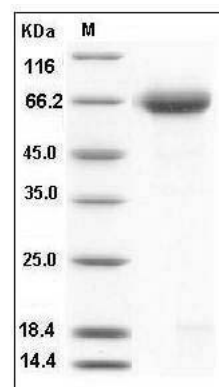
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Mouse Nogo Receptor / NOGOR / RTN4R Protein (His Tag) SDS-PAGE