

Mouse Nogo Receptor (His & Fc Tag) recombinant protein



Catalog Number: 504158

General Information

Gene Name Synonym

Nogo receptor; Nogo-66 receptor

Protein Construction

A DNA sequence encoding the the mature form of mouse RTN4R (NP_075358.1) (Met 1-Ser 447) was fused with the polyhistidine-tagged Fc region of human IgG1 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 Fc Chimera at 2 µg/ml (100 µl/well) can bind biotinylated human RTN4 (GST Tag) with a linear range of 0.16-2.5 µg/ml.

Purity

> 85 % 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 recombinant mouse RTN4R/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 669 amino acids and has a predicted molecular mass of 73.8 kDa. Due to glycosylation, rmRTN4R/Fc monomer migrates as an approximately 95-100 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

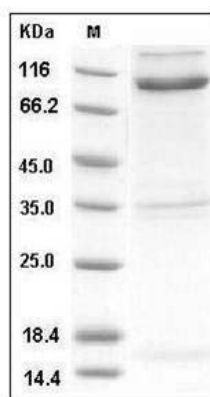
Storage

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 & Fc Tag) SDS-PAGE