

Human NRXN3/Neurexin 3 (Fc Tag) recombinant protein



Catalog Number: 502470

General Information

Gene Name Synonym

Neurexin III-beta; Neurexin-3-beta, soluble form; Neurexin-3-beta, C-terminal fragment

Protein Construction

A DNA sequence encoding the human NRXN3 isoform 2 (NP_620426.2) extracellular domain (Met 1-Thr 357) was fused with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of C6 Rat brain glial cells. When 5×10^4 cells/well are added to NRXN3 coated plates (0.8 $\mu\text{g/ml}$ and 100 $\mu\text{l/well}$), >30 % will adhere specifically after 60 minutes at 37°C.

Purity

> 95 % 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

Ser 36

Molecular Mass

The secreted recombinant human NRXN3/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 563 amino acids and predicts a molecular mass of 61.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh NRXN3/Fc monomer is approximately 75-85 kDa due to glycosylation.

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

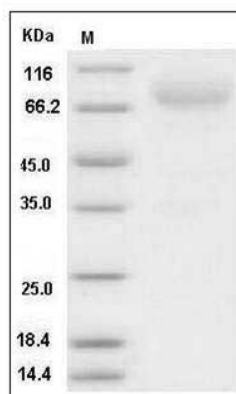
Storage

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



Human Neurexin-3-beta / NRXN3 Protein (Fc Tag)
SDS-PAGE