Human NRXN3/Neurexin 3 (His Tag) recombinant protein

Catalog Number: 503554

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 beta isoform 2 (NP_620426.2) extracellular domain (Met 1-Thr 357) was expressed, with a polyhistidine tag 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 x 10E4 cells/well are added to NRXN3 coated plates (0.8 μg/ml and 100 μl/well), approximately 30%-50% will adhere specifically after 60 minutes at 37 ℃.

Purity

> 94 % 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℃

Predicted N terminal

Ser 36

Molecular Mass

The recombinant human NRXN3 consists of 333 amino acids and predictes a molecular mass of 36 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhNRXN3 is approximately 50-60 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

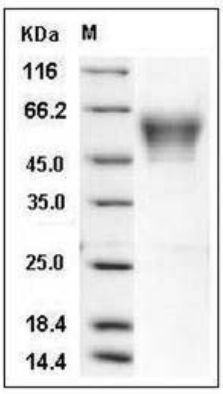
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 (His Tag) SDS-PAGE