Human NRG1 (Fc Tag) recombinant protein

Catalog Number: 504102

General Information

Gene Name Synonym

Neuregulin-1; Acetylcholine receptor-inducing activity; Breast cancer cell differentiation factor p45; Glial growth factor; Heregulin; Neu differentiation factor; Sensory and motor neuron-derived factor

Protein Construction

A DNA sequence encoding the N-terminal fragment (Ser 2-Lys 246) of human NRG1 isoform beta1 (Q02297-6) was expressed, fused with the Fc region of mouse IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind with human ErbB4-His (Cat:503994) in a functional ELISA.
2. Measured by its ability to bind with human ErbB3-His (Cat:503568) in a functional ELISA.

Purity

> 88 % 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

Asp

Molecular Mass

The recombinant human NRG1/mFc is a disulfide-linked homodimer. The reduced monomer comprises 481 amino acids and has a predicted molecular mass of 53.4 kDa. The apparent molecular mass of the monomer is approximately 67 kDa in SDS-PAGE under reducing conditions 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

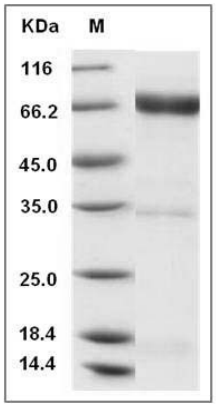
Storage

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 NRG1-beta 1 Protein (Fc Tag) SDS-PAGE