

Human NRG-3 / Neuregulin-3 Protein (His Tag)

Catalog Number: 16071-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

HRG3; pro-NRG3

Protein Construction:

A DNA sequence encoding the human NRG3 (ADK90021.1) (Glu282-Pro342) was expressed with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 95 % as determined by SDS-PAGE

Endotoxin:

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

Predicted N terminal: Glu

Molecular Mass:

The recombinant human NRG3 consists 72 amino acids and predicts a molecular mass of 8.5 kDa.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

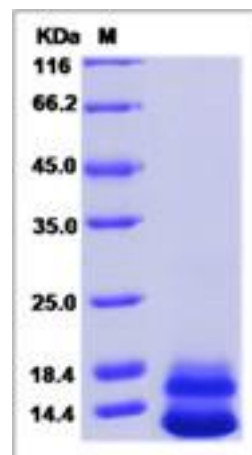
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

NRG3 is a member of the neuregulin family of EGF proteins and a ligand for the ErbB4 receptor tyrosine kinase that plays pleiotropic roles in neurodevelopment. Neuregulin 3 (NRG3), a brain-enriched neurotrophin, undergoes alternative splicing and is implicated in several neurological disorders with developmental origins. Neuregulin3 (NRG3), a ligand for ERBB4, promotes early mammary morphogenesis and acts during specification of the mammary placode, an aggregate of epithelial cells that forms during mid-embryogenesis.

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