**Human NRG1-beta 1 Protein (ECD, Fc Tag)**

Catalog Number: 11609-H01H2

---

### General Information

**Gene Name Synonym:**
ARIA; GGF; GGF2; HGL; HRG; HRG1; HRGA; MST131; MSTP131; NDF; Neuregulin 1; NRG1-IT2; SMDF

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

**Source:** Human

**Expression Host:** HEK293 Cells

### QC Testing

**Purity:** > 85 % as determined by SDS-PAGE

**Bio Activity:**

1. Measured by its binding ability in a functional ELISA. 2. Immobilized human Erbb3-his (cat: 10201-H08H) at 10 μg/mL (100 μl/well) can bind? human NRG1 (aa 2-246)-Fc, The EC50 of human NRG1 (aa 2-246)-Fc is 0.16 μg/mL. 3. Immobilized Rhesus Erbb3-his (cat: 90043-H08H) at 10 μg/mL (100 μl/well) can bind? human NRG1 (aa 2-246)-Fc, The EC50 of human NRG1 (aa 2-246)-Fc is 0.37 μg/mL.

**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:** Glu

**Molecular Mass:**
The recombinant human NRG1 (aa2-246)/Fc chimera is a disulfide-linked homodimeric protein. The reduced monomer consists of 505 amino acids and has a calculated molecular mass of 55.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 75 kDa due to glycosylation.

**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

**Storage:**

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.

---

**Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.**

For US Customer: Fax: 267-657-0217 Tel: 215-583-7898

Global Customer: Fax: +86-10-5862-8288 Tel:+86-400-890-9989 [http://www.sinobiological.com](http://www.sinobiological.com)