

## **PRODUCT INFORMATION**

**Target** NRG1 Beta1

GGF; HGL; HRG; NDF; ARIA; GGF2; HRG1; HRGA; **Synonyms** 

SMDF; MST131; MSTP131; NRG1-IT2

Recombinant human NRG1 Beta1(20-242) Protein **Description** 

with C-terminal human Fc tag

Delivery In Stock Q02297-6 **Uniprot ID Expression Host HEK293** 

Tag C-Human Fc tag

Molecular

Storage & Shipping

Background

NRG1 Beta1(Ser20-Glu242) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 50.4 kDa after removal of the signal peptide. The apparent molecular mass of NRG1 Beta1(20-242)-**Molecular Weight** 

hFc is approximately 55-70 kDa due to

glycosylation.

The purity of the protein is greater than 95% as **Purity** 

determined by SDS-PAGE and Coomassie blue

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in

lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and

plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are

produced from this gene through alternative promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer,

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schizophrenia, and bipolar disorder (BPD). [provided by RefSeq, Apr 2016]

Usage Research use only Conjugate Unconjugated



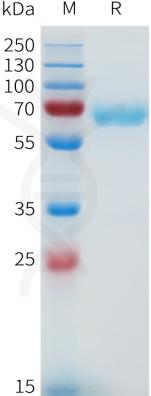


Figure 1. Human NRG1 Beta1(20-242) Protein, hFc Tag on SDS-PAGE under reducing condition.

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