

Recombinant Human Neuregulin-1/NRG1-β1 Protein (EGF Domain, Fc RPES0762

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES0762

Purity: > 86 % as determined by reducing SDS-PAGE.

Contents: 100µg, 1mg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

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

Synonyms: EGF, GGF, HGL, HRG1-beta 1, HRGA, NDF, NRG1, NRG1-beta 1, Neuregulin-1 beta 1, Pro-neuregulin-1, SMDF

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

Tag: N-hFc

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized Rhesus ErbB3 at 2 µg/mL (100 µl/well) can bind human NRG1 (isoform Beta1), The EC50 of human NRG1 (isoform Beta1) is 0.58 µg/mL. 2. Immobilized human ErbB3 at 2 µg/mL (100 µl/well) can bind human NRG1 (isoform Beta1), The EC50 of human NRG1 (isoform Beta1) is 0.43 µg/mL.

Calculated MW: 36.7 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 38 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: Q02297-6

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human Neuregulin-1/NGR1- β 1 protein Thr 176-Lys 246, with an N-terminal hFc

Sequence: Thr 176-Lys 246

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder