

Recombinant Human NRG1 Protein

Catalog #	Source	Reactivity	Applications
CRP2026	E. coli	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human NRG1 Protein is produced by our E. coli expression system and the target gene encoding Met1-Lys246 is expressed with a 6His tag at the N-terminus.

Form Lyophilized from a 0.2 μM filtered solution of 4mM HCl.

Gene Symbol NRG1

Alternative Names Pro-neuregulin-1 membrane-bound isoform; Pro-NRG1; NRG1; GGF; HGL; HRGA; NDF; SMDF

Entrez Gene 3084 (Human)

SwissProt Q02297 (Human)

Purity Greater than 95% as determined by reducing SDS-PAGE.

Chemical Structure MGSSHHHHH SGLVPRGSH MSERKEGRGK GKGKKKERGS GKKPESAAGS QSPALPPQLK EMKSQESAAG SKLVLCETS SEYSSLRFKW FKNGNELNRK NKPQNIQK KPGKSELRIN KASLADSGEY MCKVSKLGN DSASANITIV ESNEITGMP ASTEGAYVSS ESPIRISVST EGANTSSSTS TSTTGTSHLV KCAEKEKTFV VNGGECFMVK DLSNPSRYLC KCPNEFTGDR CQNYVMASFY KHLGIEFMEA EELYQK

Quality Control Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability Lyophilized protein should be stored at -20°C, though stable at room temperature

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Product Data Sheet

for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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