Datasheet for ABIN4370526

Neuregulin 1 Protein (NRG1) (AA 2-246)

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Overview

Quantity:	50 µg
Target:	Neuregulin 1 (NRG1)
Protein Characteristics:	AA 2-246
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Pro-Neuregulin-1/NRG1-β 1/HRG1-β 1 (Ser2-Lys246)
Sequence:	MSERKEGRGK GKGKKKERGS GKKPESAAGS QSPALPPQLK EMKSQESAAG SKLVLRCETS SEYSSLRFKW FKNGNELNRK NKPQNIKIQK KPGKSELRIN KASLADSGEY MCKVISKLGN DSASANITIV ESNEIITGMP ASTEGAYVSS ESPIRISVST EGANTSSSTS TSTTGTSHLV KCAEKEKTFC VNGGECFMVK DLSNPSRYLC KCPNEFTGDR CQNYVMASFY KHLGIEFMEA EELYQK
Characteristics:	Recombinant Human Pro-Neuregulin-1/NRG1-β 1/HRG1-β 1 (Ser2-Lys246)
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	Neuregulin 1 (NRG1)

Target Details

Alternative Name:	Pro-Neuregulin-1 (NRG1 Products)
Molecular Weight:	26.9 kDa
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Muscle Cell Differentiation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 4 mM HCl.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.