



[Go to Product page](#)

Datasheet for ABIN7504486

NRG1-beta 1 Protein (AA 2-246) (Fc Tag)

Overview

Quantity:	100 µg
Target:	NRG1-beta 1
Protein Characteristics:	AA 2-246
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NRG1-beta 1 protein is labelled with Fc Tag.

Product Details

Purpose:	Human NRG1 Beta 1 Protein
Sequence:	Ser2-Lys246
Characteristics:	Recombinant Human NRG1 Beta 1 Protein is expressed from HEK293 with hFc tag at the N-terminus. It contains Ser2-Lys246.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 90 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	NRG1-beta 1
Alternative Name:	NRG1 Beta 1 (NRG1-beta 1 Products)

Target Details

Background: Neuregulin-1 (NRG-1) is a ligand of the epidermal growth factor receptor (erbB), and its interaction involves activation of the glutamatergic N-methyl-D-aspartate receptor, which increases the expression of the $\beta 2$ subunit of the γ -aminobutyric acid receptor and subunits of the nicotinic acetylcholine receptor.

Molecular Weight: 54.00 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{mL}$ is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months
