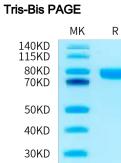
## Biotinylated Human NRG1 Beta 1 Protein (Primary Amine Labeling)

## Cat. No. NRG-HM201B



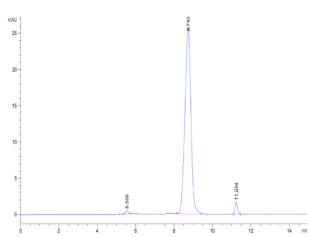
Description	
Source	Recombinant Biotinylated Human NRG1 Beta 1 Protein (Primary Amine Labeling) is expressed from HEK293 with hFc tag at the N-terminus.
	It contains Ser2-Lys246.
Accession	Q02297-6
Molecular Weight	The protein has a predicted MW of 54.00 kDa. Due to glycosylation, the protein migrates to 75-90 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC
Formulation and S	Storage
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt80°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.
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-Daspartate receptor, which increases the expression of the β2 subunit of the γ- aminobutyric acid receptor and subunits of the nicotinic acetylcholine receptor.

## Assay Data



30KD 25KD 15KD 10KD

SEC-HPLC



Biotinylated Human NRG1 Beta 1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

The purity of Biotinylated Human NRG1 Beta 1 is greater than 95% as determined by SEC-HPLC.

# Biotinylated Human NRG1 Beta 1 Protein (Primary Amine Labeling)

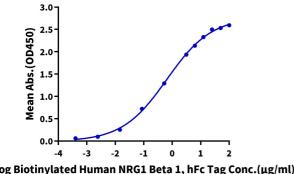
#### Cat. No. NRG-HM201B

# KVCJUS

# **Assay Data**

### **ELISA Data**





Immobilized Human Her4, His Tag at 5µg/ml (100 $\mu$ l/well) on the plate. Dose response curve for Biotinylated Human NRG1 Beta 1, hFc Tag with the EC50 of 0.65µg/ml determined by ELISA.

Log Biotinylated Human NRG1 Beta 1, hFc Tag Conc.(µg/ml)