

Datasheet for ABIN7013440

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

3 Images

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Overview

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

Product Details

Characteristics:	Human NRG1 Beta 1 Protein, Fc Tag
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	NRG1-beta 1
Alternative Name:	NRG1 Beta 1 (NRG1-beta 1 Products)
Background:	NRG1 is one of four proteins in the neuregulin family that act on the EGFR family of receptors. It is known that an extraordinary variety of different isoforms are produced from the NRG1 gene by alternative splicing. These isoforms include heregulins (HRGs), glial growth factors (GGFs) and sensory and motor neuron-derived factor (SMDF). They are tissue-specific and differ

Target Details

significantly in their structure. The HRG isoforms all contain immunoglobulin (Ig) and epidermal growth factor-like (EGF-like) domains. GGF and GGF2 isoforms contain a kringle-like sequence plus Ig and EGF-like domains, and the SMDF isoform shares only the EGF-like domain with other isoforms. The receptors for all NRG1 isoforms are the ERBB family of tyrosine kinase transmembrane receptors. Through their displayed interaction with ERBB receptors, NRG1 isoforms induce the growth and differentiation of epithelial, neuronal, glial, and other types of cells.

Molecular Weight: 53.2 kDa

NCBI Accession: [NP_039250](#)

Application Details

Restrictions: For Research Use only

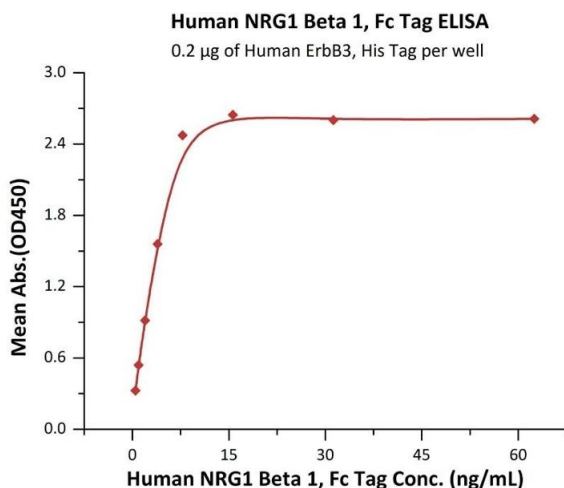
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

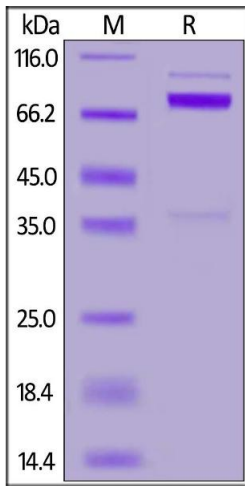
Storage: -20 °C

Images



ELISA

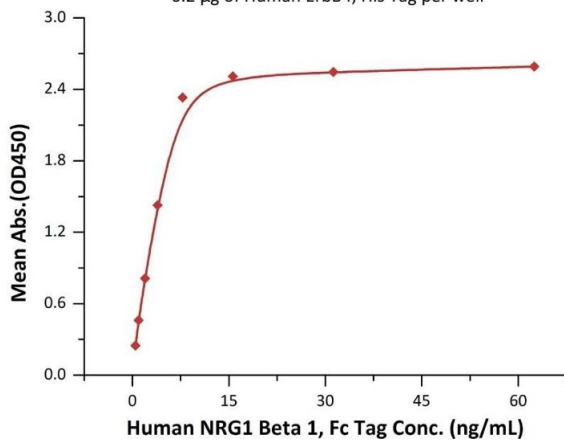
Image 1. Immobilized Human ErbB3, His Tag (ABIN2181039, ABIN2181038) at 2 µg/mL (100 µL/well) can bind Human NRG1 Beta 1, Fc Tag (ABIN6973185) with a linear range of 0.5-8 ng/mL (QC tested).



SDS-PAGE

Image 2. Human NRG1 Beta 1, Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .

Human NRG1 Beta 1, Fc Tag ELISA
0.2 µg of Human ErbB4, His Tag per well



ELISA

Image 3. Immobilized Human ErbB4, His Tag (ABIN2181045, ABIN2181044) at 2 µg/mL (100 µL/well) can bind Human NRG1 Beta 1, Fc Tag (ABIN6973185) with a linear range of 0.5-8 ng/mL (Routinely tested).