Datasheet for ABIN7597334

NRG1-beta 1 Protein (AA 20-242) (mFc Tag)

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Overview

Quantity:	10 µg
Target:	NRG1-beta 1
Protein Characteristics:	AA 20-242
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NRG1-beta 1 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant human NRG1 Beta1(20-242) Protein with C-terminal mouse Fc tag
Sequence:	NRG1 Beta1(Ser20-Glu242) mFc(Pro99-Lys330)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	NRG1-beta 1
Alternative Name:	NRG1 Beta1 (NRG1-beta 1 Products)
Background:	GGF, HGL, HRG, NDF, ARIA, GGF2, HRG1, HRGA, SMDF, MST131, MSTP131, NRG1-IT2 The protein encoded by this gene is a membrane glycoprotein that mediates cell-cell signaling and plays a critical role in the growth and development of multiple organ systems. An extraordinary variety of different isoforms are produced from this gene through alternative

Target Details

	promoter usage and splicing. These isoforms are expressed in a tissue-specific manner and differ significantly in their structure, and are classified as types I, II, III, IV, V and VI. Dysregulation of this gene has been linked to diseases such as cancer, schizophrenia, and bipolar disorder (BPD). [provided by RefSeq, Apr 2016]
Molecular Weight:	predicted molecular mass of 50.5 kDa after removal of the signal peptide. The apparent molecular mass of NRG1 Beta1(20-242)-mFc is 55-70 kDa due to glycosylation.
UniProt:	Q02297-6

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months