Datasheet for ABIN7092834

IFNB1 Protein (AA 22-187) (Fc Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	IFNB1
Protein Characteristics:	AA 22-187
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNB1 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human IFNB1 with C-terminal human Fc tag
Specificity:	IFNB1 (Met22-Asn187) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IFNB1
Alternative Name:	IFNB1 (IFNB1 Products)
Background:	This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which

Target Details

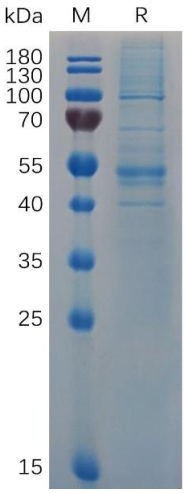
	are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015]
Molecular Weight:	predicted molecular mass of 46.2 kDa after removal of the signal peptide. The apparent molecular mass of IFNB1-hFc is 40-55 kDa due to glycosylation.
UniProt:	P01574
Pathways:	JAK-STAT Signaling, TCR Signaling, TLR Signaling, Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response, Positive Regulation of Endopeptidase Activity, Hepatitis C, Autophagy, Inflammasome

Application Details

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



SDS-PAGE

Image 1. Human I Protein, hFc Tag on SDS-PAGE under reducing condition.