Datasheet for ABIN7538336

IFNA2 Protein (AA 24-188) (Fc Tag)

1 Image

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Overview

Quantity:	50 µg
Target:	IFNA2
Protein Characteristics:	AA 24-188
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFNA2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant human IFNA2 Protein with C-terminal human Fc tag
Specificity:	IFNA2 (Cys24-Glu188) 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:	IFNA2
Alternative Name:	IFNA2 (IFNA2 Products)
Background:	This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded

Target Details

	cytokine is a member of the type I interferon family that is produced in response to viral infection as a key part of the innate immune response with potent antiviral, antiproliferative and immunomodulatory properties. This cytokine, like other type I interferons, binds a plasma membrane receptor made of IFNAR1 and IFNAR2 that is ubiquitously expressed, and thus is able to act on virtually all body cells. The encoded protein is effective in reducing the symptoms and duration of the common cold and in treating many types of cancer, including some hematological malignancies and solid tumors. A deficiency of type I interferon in the blood is thought to be a hallmark of severe COVID-19 and may provide a rationale for a combined therapeutic approach. [provided by RefSeq, Aug 2020]
Molecular Weight:	predicted molecular mass of 45.4 kDa after removal of the signal peptide. The apparent molecular mass of IFNA2-hFc is 55-70 kDa due to glycosylation.
UniProt:	P01563
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Production of Molecular Mediator of Immune Response, Hepatitis C

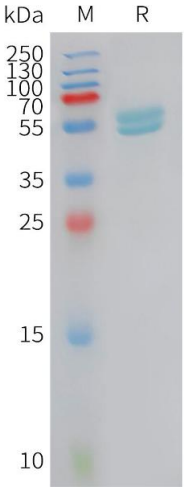
Application Details

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

Images



SDS-PAGE

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