

PRODUCT INFORMATION

IFNA1 **Target**

Synonyms IFN-alpha-1/13; LeIF D; IFNA13

Recombinant human IFNA1 protein with C-**Description**

terminal human Fc tag

Delivery In Stock **Uniprot ID** P01562 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Background

IFNA1(Cys24-Glu189) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

45.5 kDa after removal of the signal peptide. The apparent molecular mass of IFNA1-hFc is **Molecular Weight**

approximately 35-55 kDa due to glycosylation.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation & Reconstitution

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

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 Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene is a member of the alpha interferon gene cluster on chromosome 9. The encoded 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. This cytokine is upregulated in preeclamptic placentas and is thought to be a mediator of preeclampsia.

> Email: info@dimabio.com Website: www.dimabio.com

[provided by RefSeq, Aug 2020]

Usage Research use only Conjugate Unconjugated





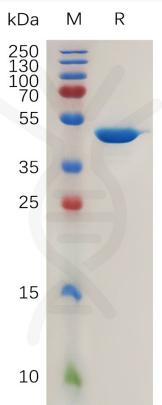


Figure 1. Human IFNA1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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