

PRODUCT INFORMATION

IFNB1 **Target**

Synonyms IFB;IFF;IFN-beta;IFNB

Recombinant Human IFNB1 with C-terminal **Description**

human Fc tag

Delivery In Stock **Uniprot ID** P01574 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Reconstitution

IFNB1(Met22-Asn187) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

46.2 kDa after removal of the signal peptide. The apparent molecular mass of IFNB1-hFc is **Molecular Weight**

approximately 40-55 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 &

- 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 encodes a cytokine that belongs to the interferon family of signaling proteins, which 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 **Background** 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]

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

Usage Research use only

Conjugate Unconjugated





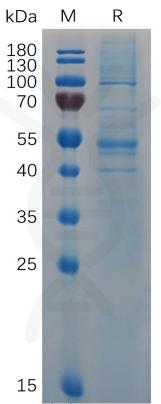


Figure 1. Human IFNB1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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