PRODUCT INFORMATION

Target IL18

IGIF;IL-1g;IL-18;IL1F4 **Synonyms**

Recombinant Human IL18 with C-terminal mouse Description

Fc tag In Stock

Delivery **Uniprot ID** Q14116 **Expression Host HEK293**

Tag C-Mouse Fc tag

Molecular

Purity

IL18(Tyr37-Asp193) mFc(Pro99-Lys330) Characterization

The protein has a predicted molecular mass of

44.3 kDa after removal of the signal peptide. The apparent molecular mass of IL18-mFc 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

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.

The protein encoded by this gene is a proinflammatory cytokine of the IL-1 family that is

constitutively found as a precursor within the cytoplasm of a variety of cells including macrophages and keratinocytes. The inactive IL-18 precursor is processed to its active form by caspase-1, and is capable of stimulating

interferon gamma production, and of regulating both T helper (Th) 1 and Th2 responses. This cytokine has been implicated in the injury of **Background**

different organs, and in potentially fatal conditions characterized by a cytokine storm. In humans, IL-18 gene is located on chromosome 11. Alternatively spliced transcript variants encoding different isoforms have been found for

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

this gene.[provided by RefSeq, Aug 2020]

Usage Research use only

Conjugate Unconjugated





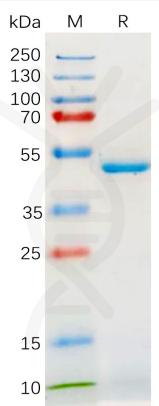


Figure 1.Human IL18 Protein, mFc Tag on SDS-PAGE under reducing condition.

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