HUMAN IL18 PROTEIN, MFC TAG

Cat.#: 11358

Product Name: Human IL18 Protein

Size : 10 µg, 50 µg and 100 µg

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

Target: IL18

UNIPROT ID: Q14116

Description: Recombinant Human IL18 with C-terminal mouse Fc tag

Background: 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 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 this gene.[provided by RefSeq, Aug 2020]

Species/Host: HEK293

Molecular Weight: 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 approximately 35-55 kDa due to glycosylation.

Molecular Characterization: IL18(Thr37-Asp197) mFc(Pro99-Lys330)

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

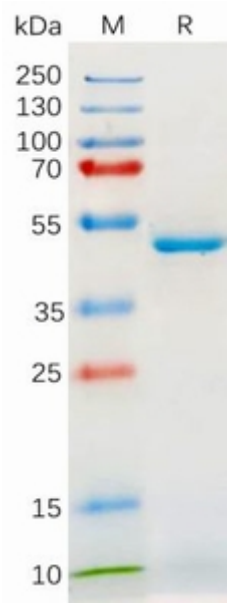

Figure 1. Human IL18 Protein, mFc Tag on SDS-PAGE under reducing condition.