PRODUCT INFORMATION

Target	IL18
Synonyms	IGIF;IL-1g;IL-18;IL1F4
Description	Recombinant Human IL18 with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q14116
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	IL18(Tyr37-Asp193) hFc(Glu99-Ala330)
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-hFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
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]
Usage	Research use only
Conjugate	Unconjugated

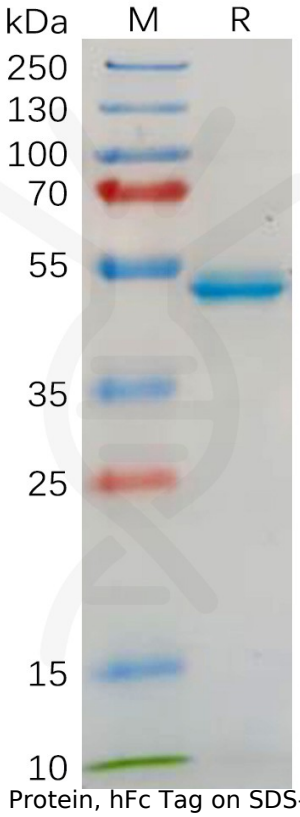

Figure 1. Human IL18 Protein, hFc Tag on SDS-PAGE under reducing condition.