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Datasheet for ABIN7092723 IL-18 Protein (mFc Tag)

Overview

Quantity:	100 µg
Target:	IL-18 (IL18)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-18 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant Human IL18 with C-terminal mouse Fc tag
Specificity:	IL18 (Thr37-Asp197) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purification:	affinity purification
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	IL-18 (IL18)
Alternative Name:	IL18 (IL18 Products)
Background:	Synonyms: IGIF, IL-1g, IL-18, IL1F4 Description: 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

Target Details

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]

Molecular Weight: predicted molecular mass of 44.3 kDa after removal of the signal peptide. The apparent molecular mass of IL18-mFc is 35-55 kDa due to glycosylation.

UniProt: [Q14116](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#), [Activated T Cell Proliferation](#), [Cancer Immune Checkpoints](#), [Inflammasome](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute with deionized water

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months