

Datasheet for ABIN7092723

**IL-18 Protein (AA 37-197) (mFc Tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	IL-18 (IL18)
Protein Characteristics:	AA 37-197
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:	Purified from cell culture supernatant by affinity chromatography
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 ( <a href="#">IL18 Products</a> )
Background:	The protein encoded by this gene is a proinflammatory cytokine of the IL-1 family that is

## Target Details

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]

**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

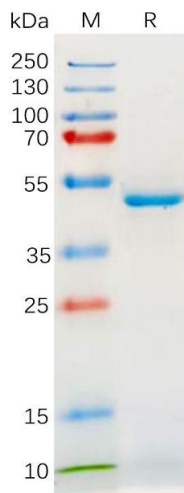
**Format:** Lyophilized

**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



SDS-PAGE

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