

Datasheet for ABIN6239812

## IL-18 Protein (AA 36-192) (His tag)



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### 1 Image

#### Overview

Quantity:	50 µg
Target:	IL-18 (IL18)
Protein Characteristics:	AA 36-192
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This IL-18 protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

#### Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 90 %
Biological Activity Comment:	IL18 (interleukin 18) is a cytokine that shares similarities in structure with IL1, and is produced by macrophages and other cells. IL18 has been reported to stimulate T cells proliferation and NK cell activity, besides, murine IL18 has been found to enhance the production of INFγ in spleen cells in vitro. Thus, a stimulation assay was conducted to detect the activity of IL18 using murine spleen cells. Briefly, murine spleen cells were seeded into wells of 6-well plates at a density of 2x10 <sup>6</sup> cells/mL in RPMI-1640 with the addition of various concentrations of IL18. After incubation for 48 hours, the concentration of INFγ in the cell supernatant was detected using an ELISA kit. INFγ levels in the cell supernatant of spleen cells increased significantly after stimulated with IL18, the data was shown in Figure 1 INFγ concentration in the cell supernatant of murine spleen cells up-regulated by IL18

## Target Details

Target:	IL-18 (IL18)
Abstract:	<a href="#">IL18 Products</a>
Background:	Alternative Names: IGIF, IL-1g, IL1F4, IL1-F4, Interferon-Gamma-Inducing Factor, Interleukin-1 Family Member 4, Ibctadekin, Interleukin-1 Gamma
Molecular Weight:	19kDa
UniProt:	<a href="#">P70380</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Cancer Immune Checkpoints</a> , <a href="#">Inflammasome</a>

## Application Details

Application Notes:	Isoelectric Point: 5
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

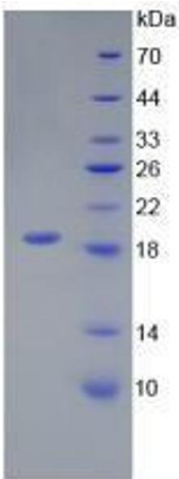


Image 1.