

# Human IL-18 recombinant protein



Catalog Number: 501265

## General Information

### Gene Name Synonym

Ibictadekin; Interferon gamma-inducing factor; Interleukin-1 gamma

### Protein Construction

A DNA sequence encoding the human IL18 (NP\_001553.1) (Tyr37-Asp193) was expressed.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to induce IFN-gamma secretion by KG-1 human acute myelogenous leukemia cells in the presence of TNF-alpha. The ED<sub>50</sub> for this effect is typically 5-30 ng/ml.

### Purity

>90 % as determined by SDS-PAGE. >90 % as determined by SEC-HPLC.

### Endotoxin

Please contact us for more information.

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Tyr 37

### Molecular Mass

The recombinant human IL18 consists 157 amino acids and predicts a molecular mass of 18.2 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

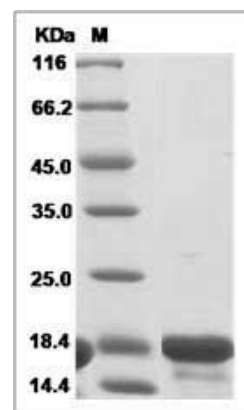
Store it under sterile conditions at -20°C to -80°C.

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human IL18 / IL-18 Protein