

# Human IL-1 alpha / IL-1F1 / IL1A recombinant protein



Catalog Number: 502247

## General Information

### Gene Name Synonym

Hematopoietin-1

### Protein Construction

The processed form of human IL1 $\alpha$  (NP\_000566.3) (Ser 113-Ala 271) was expressed and purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. The ED<sub>50</sub> for this effect is typically 0.2-1 ng/mL.

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

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

### Predicted N terminal

Ser 113

### Molecular Mass

The recombinant human IL1 $\alpha$  consists of 159 amino acids and has a predicted molecular mass of 18 kDa. As a result of glycosylation, the apparent molecular mass of rhIL1 $\alpha$  is approximately 22 kDa in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0

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

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

## Usage Guide

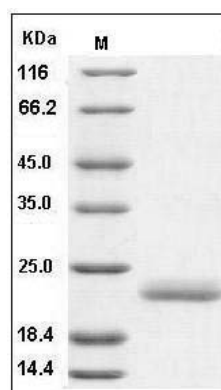
### Storage

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 IL-1 alpha / IL1A / IL1F1 Protein SDS-PAGE