

# Human IL-10 (His Tag) recombinant protein



Catalog Number: 500745

## General Information

### Gene Name Synonym

Cytokine synthesis inhibitory factor

### Protein Construction

A DNA sequence encoding the human IL10 (NP\_000563.1) (Ser 19-Asn 178) was expressed, with a N-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Immobilized human IL10-His at 10 µg/ml (100 µl/well) can bind Cynomolgus IL10RA-Fc (Cat:504750), The EC<sub>50</sub> of Cynomolgus IL10RA-Fc (Cat:504750) is 0.31-0.71 µg/ml.
2. Measured in a cell proliferation assay using MC/9-2 mouse mast cells. The ED<sub>50</sub> for this effect is typically 5-20 ng/mL.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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

His

### Molecular Mass

The recombinant human IL10 comprises 176 amino acids and has a predicted molecular mass of 20.9 kDa as estimated in SDS-PAGE under reducing conditions.

### 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

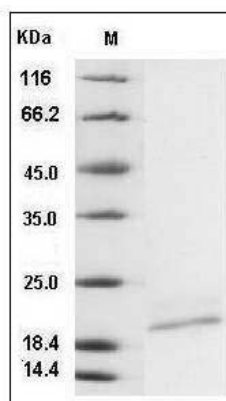
### Storage

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 IL10 / Interleukin-10 Protein (His Tag)  
SDS-PAGE