

# Human IL-10 recombinant protein



Catalog Number: 503321

## General Information

### Gene Name Synonym

Cytokine synthesis inhibitory factor

### Protein Construction

A DNA sequence encoding human IL10 (NP\_000563.1) (Ser 19-Asn 178) was expressed.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Activity

1. Immobilized human IL10 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 0.24-0.56 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 0.2-1.2 ng/mL.

### Purity

> 95 % as determined by SDS-PAGE

### 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

Ser 19

### Molecular Mass

The recombinant human GADD45G consists of 160 amino acids and predicts a molecular mass of 18.6 KDa. It migrates as an approximately 18 KDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 20mM Tris, 20mM NaCl, pH 8.7.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

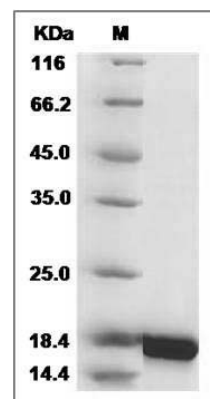
### Storage

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 SDS-PAGE