# Rat IL-10 recombinant protein

Catalog Number: 501769



## **General Information**

## **Gene Name Synonym**

Cytokine synthesis inhibitory factor

#### **Protein Construction**

A DNA sequence encoding the rat IL10 (NP\_036986.2) (Ser19-Asn178) was expressed and purified with an initial Met.

## Organism

Rat

### **Expression Host**

E. coli

## **QC Testing**

### **Activity**

Measured in a cell proliferation assay using MC/9-2 mouse mast cells.

The ED<sub>50</sub> for this effect is typically 2-8 ng/mL.

## **Purity**

> 80 % 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

Met

#### **Molecular Mass**

The recombinant rat IL10 consists of 160 amino acids and has a predicted molecular mass of 18.6 kDa. The apparent molecular mass of the recombinant protein is approximately 18 kDa in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile PBS, 10 % glycerol.

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

## **Usage Guide**

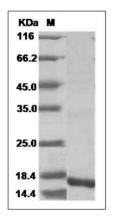
#### **Storage**

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**



Rat IL10 / Interleukin-10 Protein SDS-PAGE