

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 ED₅₀ 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

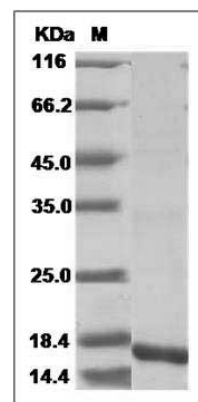
Storage

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