

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 EC₅₀ 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 ED₅₀ 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

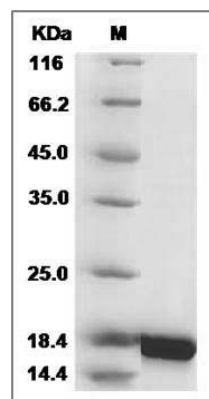
Storage

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