

Mouse IL-4/IL4 / Interleukin-4 recombinant protein



Catalog Number: 503275

General Information

Gene Name Synonym

B-cell IgG differentiation factor; B-cell growth factor 1; B-cell stimulatory factor 1; IGG1 induction factor; Lymphocyte stimulatory factor 1

Protein Construction

A DNA sequence encoding the mouse IL4 (NP_067258.1) (His23-Ser140) was expressed with a N-terminal Met.

Organism

Mouse

Expression Host

E. coli

QC Testing

Activity

Measured in a cell proliferation assay using HT-2 mouse T cells.
The ED₅₀ for this effect is typically 0.4-2 ng/mL.

Purity

> 90 % 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 mouse IL4 consists of 119 amino acids and predicts a molecular mass of 13.4 KDa. It migrates as an approximately 14 KDa band 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

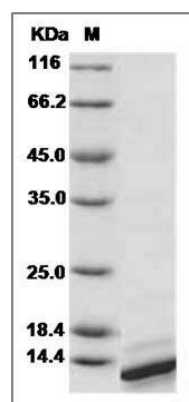
Storage

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



Mouse IL4 / Interleukin-4 Protein SDS-PAGE