

# 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 ED<sub>50</sub> 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

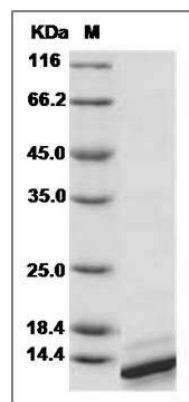
### Storage

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