

# Mouse IL12B/IL-12B (Fc Tag) recombinant protein



Catalog Number: 503693

## General Information

### Gene Name Synonym

Cytotoxic lymphocyte maturation factor 40 kDa subunit; IL-12 subunit p40

### Protein Construction

A DNA sequence encoding the mouse IL12B (P43432) (Met 1-Ser 335) was fused with the Fc region of human IgG1 at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse IL12B-Fc at 10µg/mL (100µL/well) can bind biotinylated human IL12RB1-His (Cat:501974).  
The EC<sub>50</sub> of biotinylated human IL12RB1-His (Cat:501974) is 0.10-0.24µg/mL.

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Met 23

## Molecular Mass

The secreted recombinant mouse IL12B/Fc is a disulfide-linked homodimer. The reduced monomer comprises 554 amino acids and has a calculated molecular mass of 62.8 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 83 kDa 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

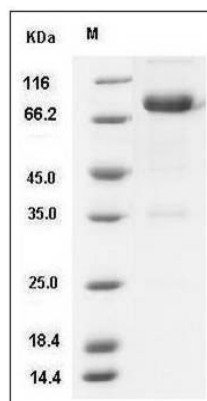
### Storage

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 IL12B / IL-12B Protein (Fc Tag) SDS-PAGE