

## General Information

### Protein Construction

A DNA sequence encoding the mouse IL7 (NP\_032397.1) (Glu26-Ile154) was expressed and purified with an initial Met.

### Organism

Mouse

### Expression Host

E. coli

## QC Testing

### Activity

Measured in a cell proliferation assay using antibody against CD3-activated human peripheral blood lymphocytes (PBL).  
The ED<sub>50</sub> for this effect is typically 1.3-5.2 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 IL7 consists of 130 amino acids and predicts a molecular mass of 15 KDa. It migrates as an approximately 18 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

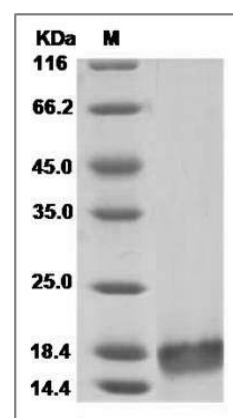
### Storage

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 IL7 / Interleukin 7 Protein SDS-PAGE