

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 ED₅₀ 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

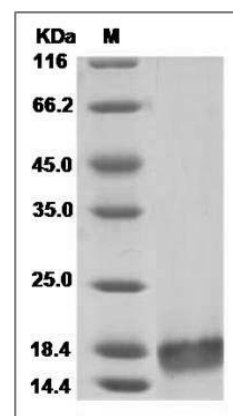
Storage

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