

# Mouse IL-2 recombinant protein



Catalog Number: 502190

## General Information

### Gene Name Synonym

T-cell growth factor

### Protein Construction

A DNA sequence encoding the soluble form of mouse IL2 (P04351) (Ala 21-Gln 169) was expressed, with an initial Met at the C-terminus.

### Organism

Mouse

### Expression Host

E. coli

## QC Testing

### Activity

1. Measured by its ability to bind recombinant human IL2Ra-Fc (Cat:503136) in a functional ELISA.
2. Measured in a cell proliferation assay using CTLL2. The ED<sub>50</sub> for this effect is typically 0.2-1.0 ng/mL.

### Purity

> 92 % 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 IL2 consists of 150 amino acids and has a calculated molecular mass of 17.4KDa. It migrates as an approximately 19 kDa in SDS-PAGE under reducing conditions.

### Formulation

1. Lyophilized from sterile PBS, 2mM DTT, pH 7.4
2. 5 % trehalose and mannitol are added as protectants before lyophilization.
3. Please contact us for any concerns or special requirements.

## Usage Guide

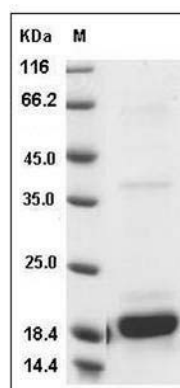
### Storage

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 Interleukin-2 / IL-2 Protein SDS-PAGE