

# Human IL-2 (L35M, L36S, C142A) recombinant protein



Catalog Number: 502850

## General Information

### Gene Name Synonym

T-cell growth factor

### Protein Construction

A DNA sequence encoding human IL2 (NP\_000577.2) (Ala 21-Thr153, Leu 35 Met, Leu 36 Ser, Cys 142 Ala) was expressed.

### Organism

Human

### Expression Host

Yeast

## QC Testing

### Activity

Measured in a cell proliferation assay using CTLL2 cells.  
The ED<sub>50</sub> for this effect is typically 0.35-1.4 ng/mL.

### Purity

> 85 % 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

Ala 21

## Molecular Mass

The recombinant human IL2 consists of 133 amino acids and predicts a molecular mass of 15.4 kDa. It migrates as an approximately 15 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 0.1 % TFA, 70 % CAN.  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

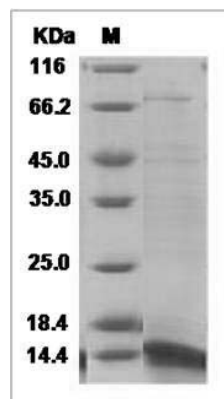
### Storage

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



Human IL2 / Interleukin-2 Protein (L35M, L36S, C142A) SDS-PAGE