

# Mouse IL-21 recombinant protein



Catalog Number: 500366

## General Information

### Protein Construction

A DNA sequence encoding the soluble form of mouse IL21 (Q9ES17) (Pro 25-Ser 146) was expressed, with an initial Met at the C-terminus.

### Organism

Mouse

### Expression Host

E. coli

## QC Testing

### Activity

Measured by its ability to induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells.  
The ED<sub>50</sub> for this effect is typically 4-20 ng/ml.

### Purity

> 97 % 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 IL21 consists of 123 amino acids and has a calculated molecular mass of 14.3KDa. It migrates as a 15 kDa band in SDS-PAGE under reducing conditions.

### Formulation

- Lyophilized from sterile PBS, pH 7.5
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
  2. Please contact us for any concerns or special requirements.

## Usage Guide

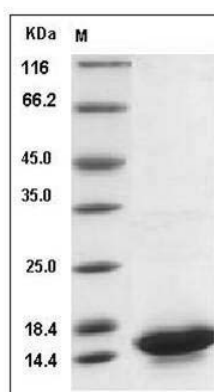
### Storage

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 IL21 / Interleukin 21 Protein SDS-PAGE