

# Mouse IL-27 (His Tag) recombinant protein



Catalog Number: 504706

## General Information

### Protein Construction

A DNA sequence encoding the mouse IL27 complex composed of EB13 (O35228) (Met1-Pro228) and IL27A (Q8K3I6) (Phe29-Ser234) linked by a polypeptide linker was fused with the polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized mouse IL27-His at 10 µg/ml (100 µl/well) can bind human IL27RA-Fc (Cat:501241), The EC<sub>50</sub> of human IL27RA-Fc (Cat:501241) is 0.26-0.62 µg/ml.
2. Measured in antiviral assays using HepG2 cells infected with vesicular stomatitisvirus (VSV). The ED<sub>50</sub> for this effect is typically 0.07-0.42 µg/mL.

### Purity

> 85 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Tyr 19

### Molecular Mass

The recombinant mouse IL27 comprises 442 amino acids and has a predicted molecular mass of 49.5 kDa. The apparent molecular mass of the protein is approximately 60 kDa in SDS-PAGE under reducing conditions due to glycosylation.

### 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

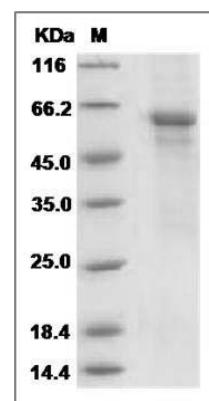
### Storage

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 IL27 / Interleukin-27 Protein (His Tag)  
SDS-PAGE