

# Human IL-27 (His Tag) recombinant protein



Catalog Number: 504705

## General Information

### Protein Construction

A DNA sequence encoding the IL27 complex composed of IL27B subunit (NP\_005746.2) (Met 1-Lys 229) and the N-terminally truncated IL27p28 (IL27A) subunit (NP\_663634.2) (Phe 29-Pro 243) linked by a polypeptide linker was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

CHO Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human 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 0.2-0.46 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 23-92 ng/mL.

### Purity

> 90 % 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

Arg 21

### Molecular Mass

The recombinant human IL27 complex (IL27B & IL27A) consists of 450 amino acids after removal of the signal peptide and has a calculated molecular mass of 56 KDa as estimated in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, 10% glycerol

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

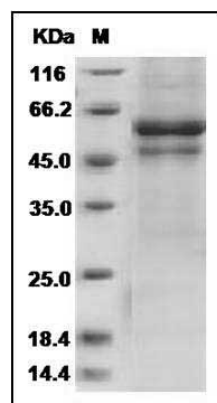
### Storage

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