

# Human IL12A & IL27B recombinant protein (C-flag & C-His)



Catalog Number: 514902

## General Information

### Protein Construction

A DNA sequence encoding the human IL27B (NP\_005746.2)(Met1-Lys229) was fused with a flag tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the human IL12A (NP\_000873.2)(Met1-Ser219) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human IL27B&IL12A heterodimer was purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % as determined by SDS-PAGE.

### Endotoxin

<1.0 EU per  $\mu\text{g}$  protein as determined by the LAL method.

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Arg 21 & Arg 23

### Molecular Mass

The recombinant heterodimer of human IL27B&IL12A comprises 425 (217+208) amino acids and has a calculated molecular mass of 48.3(24.3+24) KDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.

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

## Usage Guide

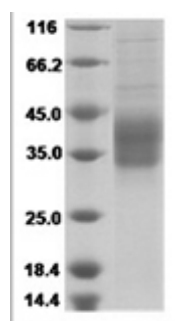
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

### SDS-PAGE



Human IL12A & IL27B Heterodimer Protein