

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 μg 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 & 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

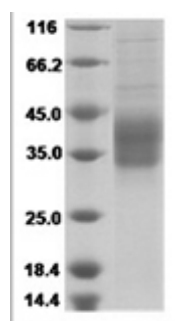
Storage

Store it under sterile conditions at -20°C to -80°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