

# Human IL12A & IL12B recombinant protein (Native)



Catalog Number: 514836

## General Information

### Protein Construction

A DNA sequence encoding the human IL12A (NP\_000873.2)(Met 1- Ser219) was expressed, constructed the plasmid 1; A DNA sequence encoding the human IL12B (NP\_002178.2)(Met 1- Ser328) was expressed, constructed the plasmid 2. The two plasmids were co-expressed and the human IL12A&IL12B heterodimer was purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> (33.5+63.7) % as determined by SDS-PAGE.

### Endotoxin

< 1.0 EU per  $\mu$ g 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

Arg23&Ile23

### Molecular Mass

The recombinant heterodimer of human IL12A&IL12B comprises 503 (197+306) amino acids and has a calculated molecular mass of 57.2(22.5+34.7) 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

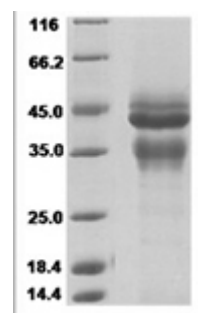
### Storage

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 IL12/IL12A & IL12B Protein 14757