

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 μ 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

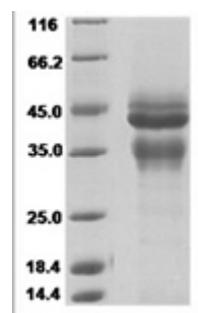
Storage

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