

Human IL12A & IL12B recombinant protein (C-His)



Catalog Number: 514747

General Information

Gene Name Synonym:

Protein Construction:

A DNA sequence encoding the p35 subunit of human IL-12, termed as IL12A (NP_000873.2) (Met1-Ser219) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1 ; A DNA sequence encoding the p40 subunit of human IL-12, termed as IL12B (NP_002178.2) (Met1-Ser328) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified.

Source:Human

Expression Host:Human Cells

QC Testing

Activity:

Purity:

> 95 % as determined by SDS-PAGE

Endotoxin:

< 10 EU per mg 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 23 & Ile 23

Molecular Mass:

The recombinant IL12 heterodimer of human IL12A/IL12B comprises 525 (208 + 317) amino acids and has a calculated molecular mass of 60.2 (24 + 36.2) 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

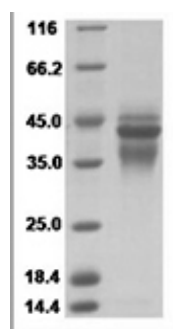
Storage:

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 15483