

IL23 (His Tag) recombinant protein



Catalog Number: 504480

General Information

Protein Construction

A DNA sequence encoding the human IL23A (Q9NPF7) (Met1-Pro189) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the mouse IL12B (P43432) (Met1-Ser335) was expressed with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human IL23A & the mouse IL12B heterodimer was purified.

Expression Host

Human Cells

QC Testing

Purity

> (37.6+41.4+20.5) % 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 20 & Met 23

Molecular Mass

The recombinant human IL23A & the mouse

IL12B comprises 505(181+324) amino acids and has a calculated molecular mass of 57.3 (20.1+37.2) KDa.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

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

Usage Guide

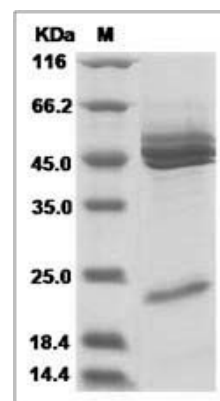
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human IL23A & Mouse IL12B Heterodimer Protein (His Tag) SDS-PAGE