# 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 Cterminus, 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  $\mu g$  protein as determined by the LAL method.

#### Stability

Samples are stable for up to twelve months from date of receipt at -70  $^\circ \rm C$ 

#### **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**

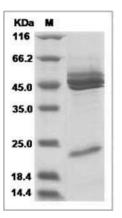
#### Storage

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