

# Human IL23A & Mouse IL12B Heterodimer Protein (His Tag)

Catalog Number: CT035-A99H



Sino Biological  
Biological Solution Specialist

## General Information

### Gene Name Synonym:

IL23

### 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.

### Source:

**Expression Host:** HEK293 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.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage:

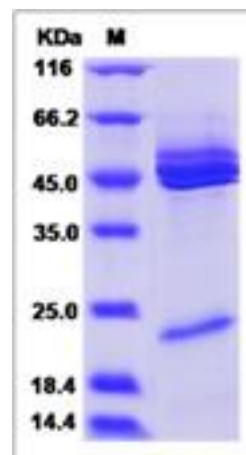
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

**Avoid repeated freeze-thaw cycles.**

### Reconstitution:

Detailed reconstitution instructions are sent along with the products.

## SDS-PAGE:



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