

# Recombinant Mouse IL-23A Protein

Catalog No.: RP01806 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Mouse	83430	Q9EQ14

### Tags

C-His

### Synonyms

p19; IL-23; IL23a

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 0.01EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

The heterodimeric cytokine interleukin-23 (IL-23 or IL23A/IL12B) is produced by dendritic cells and macrophages and promotes the proinflammatory and regenerative activities of T helper 17 (Th17) and innate lymphoid cells. A recent study has reported that IL-23 is also secreted by lung adenoma cells and generates an inflammatory and immune-suppressed stroma.

## Basic Information

### Description

Recombinant Mouse IL-23A Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala21-Ala196) of mouse IL-23A (Accession #NP\_112542.1) fused with 6×His tag at the C-terminus.

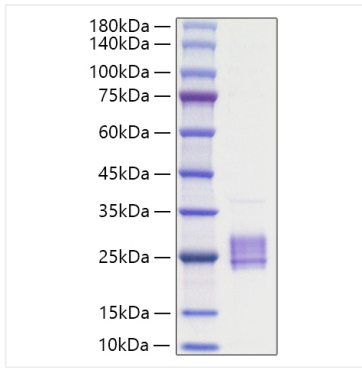
### Bio-Activity

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant Mouse IL-23A Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15-35 kDa.