

Recombinant Mouse IL-23A/IL-23 p19 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.

Calculated MW	Observed MW
20.57 kDa	24-30 kDa

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 free-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/IL-23 p19 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

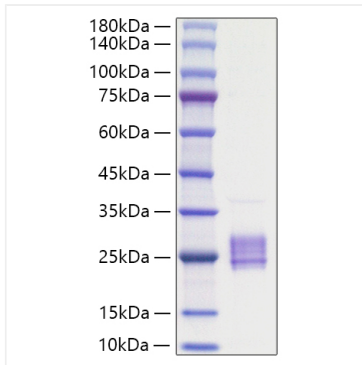
Storage

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



Recombinant Mouse IL-23A Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 24-30 kDa.