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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 % as determined by SDS-PAGE.

Calculated MW	Observed MW
20.57 kDa	25-35 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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.

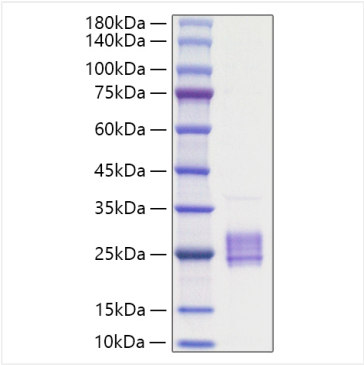
Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse IL-23A/IL-23 p19 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.