

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

Catalog No.: RP01806 Recombinant

Sequence Information

Species Gene ID Swiss ProtMouse 83430 Q9EQ14

Tags C-His

Synonyms p19; IL-23;Il23a

Product Information

Source HEK293 cells Purification

≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

20.57 kDa 24-30 kDa

Endotoxin

< 0.01 EU/ μ g of the protein by LAL method

Formulation

Lyophilized from a $0.22 \mu m$ 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.

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 $6\times$ 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°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

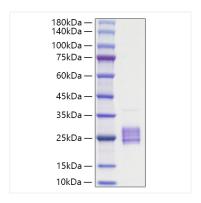
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

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.