Recombinant Human IL-35/IL-12A&IL-27B Protein

Catalog No.: RP03521

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Sequence Information

Species
Human

Gene ID
3592&10148

Swiss Prot
P29459-1, Q14213

Tags
human IgG1-Fc & His & human IgG1-Fc & Flag Tag

Synonyms
IL-35, IL-12A&IL-27B, IL12A, NKSF1&EBI3, IL27B,IL35,IL 35

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
50.7 KDa,51.3 KDa

Observed MW
60 , 63 KDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from sterile PBS, pH 7.4.Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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.

Background

IL-12A is a subunit of a cytokine that acts on T and natural killer cells and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. IL-12A, together with IL27B, form a disulfide-linked heterodimer: IL-12A&IL-27B. IL-12A&IL-27B is required for the T-cell-independent induction of IFN-gamma and is important for the differentiation of both Th1 and Th2 cells.

Basic Information

Description
Recombinant Human IL-35/IL-12A&IL-27B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ser219) of IL-12A fused with a C-terminal Fc region of human IgG1 tag followed by a His tag and sequence (Met1-Lys229) of IL-27B was fused with a C-terminal Fc region of human IgG1 tag followed by a FLAG tag,The two plasmids were co-expressed and the heterodimer was purified.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

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

Contact

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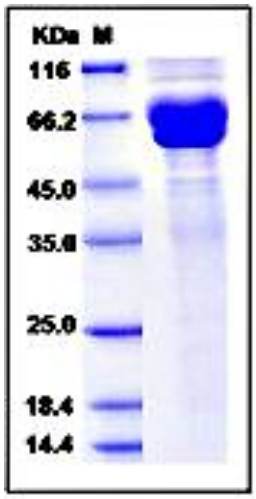
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Human IL-35/IL-12A&IL-27B Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.