

Recombinant Human IL-23(IL23A&IL12B Heterodimer) Protein (His Tag) RPES2281

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES2281

Purity: > 90 % as determined by reducing SDS-PAGE.

Contents: 100µg, 5µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Synonyms: CLMF p40, IL-12 subunit p40, IL-23, IL-23A, IL-23p19, IL23P19, NKSF2, P19, SGRF

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Expression Host: HEK293 Cells

Bio-Activity: 1. Measured by its ability to bind biotinylated recombinant human IL12RB1 in a functional ELISA. 2. Immobilized human IL23A-His+IL12B-His at 10 µg/ml (100 µl/well) can bind human IL23R-Fc. The EC50 of human IL23R-Fc is 0.28-0.66 µg/ml. 3. Immobilized human IL23A-His+IL12B-His at 10 µg/ml (100 µl/well) can bind Cynomolgus IL23R-Fc. The EC50 of Cynomolgus IL23R-Fc is 0.14-0.35 µg/ml. 4. Measured by its ability to induce IL17 secretion by mouse splenocytes. The ED50 for this effect is 4-20 ng/mL.

Calculated MW: 20.1&36.2 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 22&45 kDa

Reconstitution: Please refer to the printed manual for detailed information.

Accession: Q9NPF7&NP_002178.2

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Human IL-23(IL23A&IL12B protein Met 1-Pro189&Met 1-Ser 2 8, with an C-terminal His

Sequence: Met 1-Pro189&Met 1-Ser 28

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder