

Recombinant Human IL-12B/IL-12 p40 Protein

Catalog No.: RP01288 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3593	P29460

Tags

C-His

Synonyms

IL12B;CLMF;CLMF2;IL-12B;IMD28;IMD29;
NKSF;NKSF2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
35.54 kDa	40-55 kDa

Endotoxin

< 0.1 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 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

Basic Information

Description

Recombinant Human IL-12B/IL-12 p40 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ile23-Ser328) of human IL-12B/P40 (Accession #NP_002178.2) fused with a 6×His tag at the C-terminus.

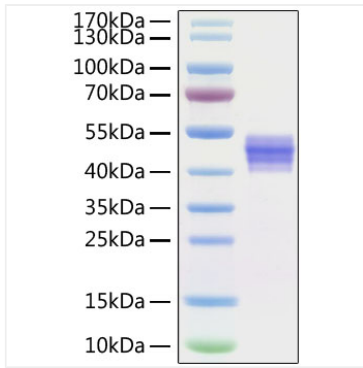
Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human IL12B (Catalog: RP01288) at 5 μg/mL (100 μL/well) can bind Human IL12RB1 with a linear range of 0.02-2.7 ng/mL.

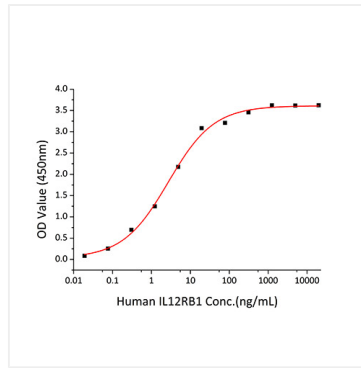
Storage

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 Human IL-12B Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-55 kDa.



Immobilized Human IL12B (Catalog: RP01288) at 5 $\mu\text{g}/\text{mL}$ (100 $\mu\text{L}/\text{well}$) can bind Human IL12RB1 with a linear range of 0.02-2.7 ng/mL.