

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

Catalog No.: RP01232S Recombinant

Sequence Information

 Species
 Gene ID
 Swiss Prot

 Human
 3592&3593
 P29459&P29

 460
 460

Tags

C-His

Synonyms

CLMF;IL12;p70;Interleukin-12;IL12A;P35; NKSF

Product Information

Source Purification HEK293 cells ≥ 95% as

determined by SDS-

PAGE.

Calculated MW Observed MW

58.38 kDa 60-75 kDa

Endotoxin

< 0.01 EU/ μ g 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.

Contact

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Background

Basic Information

Description

Recombinant Human IL-12/IL-12A&IL-12B Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (IL12B(Ile23-Ser328)-3 \Box GGGGS \Box IL12A(Arg23-Ser219)) of Human IL-12/IL-12A&IL-12B (Accession #) fused with a His tag at the C-terminus.

Bio-Activity

Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED $_{50}$ for this effect is 0.94-3.75 ng/mL, corresponding to a specific activity of $2.67\times10^5\sim1.06\times10^6$ units/mg.

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.

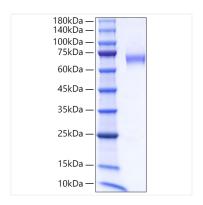
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

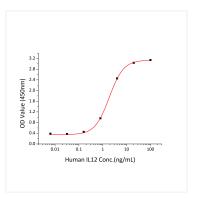
Operational Notes

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

Validation Data



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



Recombinant Human IL-12/IL-12A&IL-12B Protein induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED $_{50}$ for this effect is 0.94-3.75 ng/mL, corresponding to a specific activity of $2.67\times10^5\sim1.06\times10^6$ units/mg.