

Recombinant Mouse IL-17F Protein

Catalog No.: RP01147

Sequence Information

Species **Gene ID**
Mouse 257630

Swiss Prot **Tags**
Q7TNI7 C-His

Synonyms

IL17F, IL24, ML-1, Interleukin-17F, IL17F

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE; ≥ 95
 % as determined
 by HPLC.

Calculated MW/Observed MW

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. Contact us for customized product form or formulation.

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.

Background

Basic Information

Description

Recombinant Mouse IL-17F Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala161) of mouse IL-17F (Accession #NP_665855.2) fused with a 6×His tag at the C-terminus.

Activity

1. Immobilized recombinant Mouse IL-17F at 2 μg/mL (100 μL/well) can bind recombinant Mouse IL17RA with a linear range of 31.25–163 ng/mL. 2. Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells in the presence of 2 ng/mL TNFα (Catalog: RP01071). The ED₅₀ for this effect is 10.18–140.72 ng/mL, corresponding to a specific activity of 2.46×10⁴~9.82×10⁴ units/mg.

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°C

Operational Notes

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

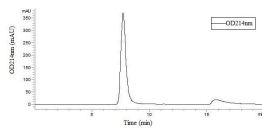
Contact

☎ | 400-999-6126

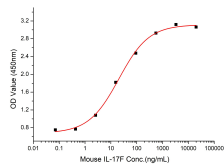
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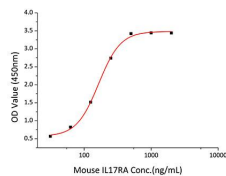
Validation Data



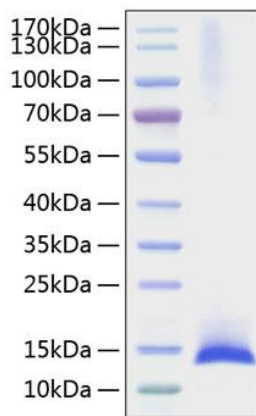
The purity of Recombinant Mouse IL-17F Protein is greater than 95% as determined by SEC-HPLC.



Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells in the presense of 2 ng/mL TNFα(Catalog: RP01071). The ED₅₀ for this effect is 10.18-140.72 ng/mL, corresponding to a specific activity of 2.46×10⁴~9.82×10⁴ units/mg.



Immobilized recombinant Mouse IL-17F at 2μg/mL (100μL/well) can bind recombinant Mouse IL17RA with a linear range of 31.25-163ng/mL.



Recombinant Mouse IL-17F Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.