

Recombinant Cynomolgus IL-17F Protein

Catalog No.: RP02635

Sequence Information

Species **Gene ID**
Cynomolgus 102118959

Swiss Prot **Tags**
G7P4V0-1 C-His

Synonyms

Cytokine ML-1; IL17F; IL-17F;
IL24; IL-24; CANDF6; IL-17F; ML1

Product Information

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

Calculated MW **Observed MW**
16.1 kDa 23-28 kDa

Endotoxin

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

Formulation

Reconstitution

Centrifuge the tube 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

The Interleukin 17 (IL-17) family proteins, comprising six members (IL-17A through IL-17F), are secreted, structurally related proteins that share a conserved cystine-knot fold near the C-terminus, but have considerable sequence divergence at the N-terminus. IL-17F is ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover.

Basic Information

Description

Recombinant Cynomolgus IL-17F Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Arg31-Gln163.

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°C

Operational Notes

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

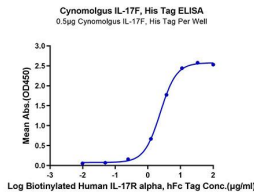
Contact

☎ | 400-999-6126

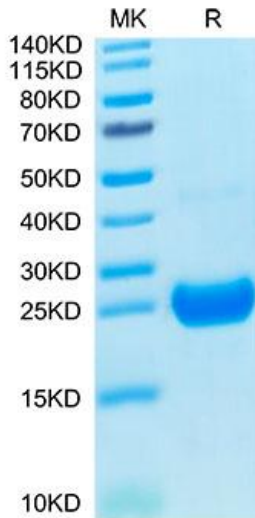
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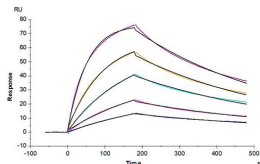
Validation Data



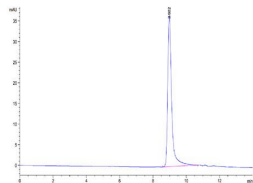
Immobilized Cynomolgus IL-17F, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc Tag with the EC₅₀ of 2.4µg/ml determined by ELISA.



Recombinant Cynomolgus IL-17F Protein was determined by Tris-Bis PAGE under reducing conditions.



Human IL-17R alpha, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus IL-17F, His Tag with an affinity constant of 0.13 µM as determined in SPR assay (Biacore T200).



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