

BACKGROUND:

Interleukin 17F (IL-17F) is one of six members of the IL-17 family (IL-17A-F) secreted by activated CD4+ T cells and monocytes. Similar to IL-17A, IL-17F binds to the IL17 RC receptor and promotes the production of IL-6, IL-8, G-CSF and increases matrix turnover rates. IL-17F is also thought to inhibit angiogenesis and induce endothelial cells to produce IL-2, MCP-1 and TGF-β1.

Recombinant mouse IL-17F is a non-glycosylated, disulfide-linked homodimer. Each protein contains a total of 133 amino acids, with a molecular weight of 14.9 kDa, resulting in a total molecular weight for the homodimer of 30 kDa.

Cat. No.:
RP2062AF

AA Sequence:

| | | |
|------------|------------|------------|
| MRKNPKAGVP | ALQKAGNCP | LEDNTRVVDI |
| RIFNQNGIS | VPREFQNRSS | SPWDYNITRD |
| PHRFPSEIAE | AQCRHSGCIN | AQGQEDSTMN |
| SVAIQQEILV | LRREPQGCSN | SFRLEKMLLK |
| VGCTCVKPIV | HQAA | |

TECHNICAL INFO**Source:**

E. coli

Physical Appearance:

Sterile Filtered white lyophilized (freeze-dried) powder.

Formulation:

0.1% Trifluoroacetic Acid (TFA)

Stability:

Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

Reconstitution:

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/mL, which can be further diluted into other aqueous solutions.

Protein Content and Purity determined by:

- UV spectroscopy at 280 nm.
- RP-HPLC calibrated against a known standard.
- Quantitation against a known standard via reducing and non-reducing SDS-PAGE gels.

Endotoxin Level:

Endotoxin level, as measured by LAL analysis, is <0.01ng/ug or <0.1EU/ug.

Animal Component-Free

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

