IL17F
Recombinant Human Interleukin-17F

Catalog No.	CRI197A	**Quantity:**	5 µg
	CRI197B		25 µg
	CRI197C		1.0 mg

Alternate Names: IL-17F, ML-1, ML1

Description: Interleukin-17F (IL17F) is synthesized as a 153 aa precursor with a 20 aa signal sequence and a 133 aa mature region. Like IL17A, IL17F contains one potential site for N-linked glycosylation. IL17A and IL17F share 50% aa sequence identity. IL17F homodimer is produced by an activated subset of CD4+ T cells, termed Th17. IL17F has been shown to stimulate proliferation and activation of T-cells and PBMCs. IL17F also regulates cartilage matrix turnover and inhibits angiogenesis. 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.

UniProt ID: Q96PD4

Gene ID: 112744

Source: *E. coli*

Molecular Weight: Disulfide linked dimer 15.0/30.1 kDa (134/268 aa)

Formulation: Lyophilized from a sterile filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

Purity: ≥ 95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 0.1 EUs/µg

Biological Activity: ≤ 100 ng/ml, determined by production of IL-6 from murine NIH/3T3 cells.

Specific Activity: ≥ 1.0×10^4 U/mg.

Amino Acid Sequence: MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSEVVQ AQCRNLGCIN AQGKEDISMN SVPIQQETLV VRRKHQGCSV SFQLEKVLVT VGCTCVTPVI HHVQ

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed.** Further dilutions should be made in appropriate buffered solutions.

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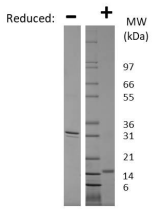
Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.



Human IL-17F Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human IL-17F is a homodimer with a predicted MW of 30.1 kDa (each monomer is 15.0 kDa).

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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