9051 Mira Mesa Blvd, #910094
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# IL17F Human, sf9

*Interleukin 17F Human Recombinant, sf9*
*CYK0384*

## Product Overview

| | |
|---|---|
| Name | IL17F Human, sf9 |
| **Description** | |
| Interleukin 17F Human Recombinant, sf9 | |
| Accession (Primary) | Q96PD4 |
| **Synonyms** | |
| Cytokine ML-1, IL-17F, Interleukin-17F precursor, IL17F, ML1, ML-1. | |
| **Introduction** | |
| IL-17F having an accession number of Q96PD4 is a cytokine that shares sequence similarity with IL17. IL-17F is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM_CSF. IL-17F inhibits the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. IL-17F induces stromal cells to produce proinflammatory and hematopoietic cytokines. Intestinal IL17F gene expression is increased in active CD. IL-17A & IL-17F alleles influence the susceptibility to and pathophysiological features of ulcerative colitis independently. IL-17F and MIF gene polymorphisms are significantly associated with the development of functional dyspepsia. The initiation of IL-17F/IL-17R signaling pathway requires the receptor ubiquitination by TRAF6. IL-17F induces expression of IFN-gamma-inducible protein 10 (IP-10) by activating Raf1-mitogen-activated protein kinase 1/2-extracellular-regulated kinase 1/2-p90 ribosomal S6 kinase-cyclic AMP response element-binding protein signaling pathway. | |
| **Source** | |
| Sf9, Baculovirus cells. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| IL17F protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4), 20% glycerol and 1mM DTT. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 95.0% as determined by SDS-PAGE. | |

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**Amino acid sequence**

ADP RKIPKVG HTFFQKPESC PPVPGGSMKL DIGIINENQR VSMSRNIESR STSPWNYTVT WDPNRYPSEV

VQAQCRNLGC INAQGKEDIS MNSVPIQQET LVVRRKHQGC SVSFQLEKVL VTVGCTCVTP VIHHVQ HHHH HH .

**Precautions**

IL17F Human, sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q96PD4 )