

## 32-6457: IL17F Human, sf9

**Alternative Name :** Cytokine ML-1, IL-17F, Interleukin-17F precursor, IL17F, ML1, ML-1.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

IL17F produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 142 amino acids (31-163 a.a.) and having a molecular mass of 16kDa (Molecular size on SDS-PAGE will appear at approximately 18-28 kDa). IL17F is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

<b>Amount :</b>	1 µg / 5 µg
<b>Purification :</b>	Greater than 95.0% as determined by SDS-PAGE.
<b>Content :</b>	IL17F protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4), 20% glycerol and 1mM DTT.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	ADPRKIPKVG HTFFQKPESC PPVPGGSMKL DIGIINENQR VSMSRNIESR STSPWNYTVT WDPNRYPSEV VQAQCRNLGC INAQ GKEDIS MNSVPIQQET LVVRRKHQGC SVSFQLEKVL VTVGCTCVTP VIHVVQH HHHH HH.