

## 32-1482: rIL 17F Recombinant Protein

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

### Description

Source : Escherichia Coli. IL17F Rat Recombinant produced in E.Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 270 amino acids and having a molecular mass of 30 kDa. The Rat IL-17F is purified by proprietary chromatographic techniques. 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, TGF $\beta$ 1/TGF $\beta$ , 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.

### Product Info

<b>Amount :</b>	25 $\mu$ g
<b>Purification :</b>	Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
<b>Content :</b>	IL17F Rat was lyophilized from a concentrated (1mg/ml) solution containing no additives.
<b>Storage condition :</b>	Lyophilized Rat IL17F although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Rat IL17F should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MARRNPKVGL SALQKAGNCP PLEDNSVRVD IRIFNQNGI SVPRDFQNRS SSPWDYNITR DPDRFPSEIA EAQCRHSGCI NAQQQEDGSM NSVPIQVEIL VLRREPQGCS NSFRLEKMLI KVGCTCVTPI VHAA.

### Application Note

It is recommended to reconstitute the lyophilized Rat IL17F in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\mu$ g/ml, which can then be further diluted to other aqueous solutions.