



**P91955Hu01**  
**Interleukin 17F (IL17F)**  
**Organism: Homo sapiens (Human)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

3th Edition (Revised in February, 2012)

## **[ DESCRIPTION ]**

**Protein Names:** Interleukin 17F

**Gene Names:** IL17F

**Size:** 100µg

**Source:** Recombinant

**Expression Host:** *E.coli*

**Function:** Stimulates the production of other cytokines such as IL-6, IL-8 and granulocyte colony-stimulating factor, and can regulate cartilage matrix turnover. Stimulates PBMC and T-cell proliferation. Inhibits angiogenesis.

**Subcellular Location:** Secreted

**Tissue Specificity:** Expressed in activated, but not resting, CD4+ T-cells and activated monocytes.

## **[ PROPERTIES ]**

**Residues:** Arg31~Gln163 (Accession # Q96PD4), with a N-terminal His-tag.

**Grade & Purity:** >97%, 16.1 kDa as determined by SDS-PAGE reducing conditions.

**Form & Buffer:** Supplied as lyophilized form in PBS, pH 7.4.

**Endotoxin Level:** <1.0 EU per 1µg (determined by the LAL method).





**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted Molecular Mass:** 16.1 kDa

### **[ PREPARATION ]**

Reconstitute in PBS.

### **[ STORAGE AND STABILITY ]**

**Storage:** Store at 4°C for short time storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage.

Avoid repeated freeze/thaw cycles.

**Valid period:** 12 months stored at -80°C.

### **[ BACKGROUND ]**

The target protein is fused with a His-tag and its sequence is listed below. The first Met is an initiator amino acid. Moreover, Gly and Ser are added to improve the flexibility of N-terminus at both ends of the His-tag, which will increase the chelating ability of the tag to Ni-Sepharose during purification.

MGHHHHHSGS-RKIPKVGHTF FQKPESCPPV PGGSMKLDIG IINENQRVSM SRNIESRSTS PWNVTVTWDP  
NRYPSEVVQA QCRNLGCINA QGKEDISMNS VPIQQETLVV RRKHQGCSVS FQLEKVLVTV GCTCVPVIH  
HVQ

