

## Recombinant Murine Interleukin-17F (m-IL-17F)

**CATALOG #:** 4177F-25 25 µg  
4177F-100 100 µg  
4177F-1000 1 mg

**LOT #:** \_\_\_\_\_

**SOURCE:** *E. coli*

**PURITY:** > 98% by SDS-PAGE and RP-HPLC analysis  
Endotoxin level is < 0.01 ng per µg of m-IL-17F.

**MOL. WEIGHT:** 29.8 kDa

**FORM:** Lyophilized with no additives.

### RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of 0.1 mg/ml (Note: Gently pipetting to dissolve). The solution can then be diluted into other aqueous buffers.

### STORAGE CONDITIONS:

The lyophilized product is best-stored at -20 °C. Upon reconstitution the material should be aliquoted and frozen at -20 °C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

### DESCRIPTION:

Homodimeric interleukin-17F is a member of the IL-17 family of six homodimeric proteins (IL-17A-17F). Activated CD4+ T cells have also been shown to produce Mouse IL-17F. Activity studies reveal IL-17A to be the most potent, followed by IL-17A/F and IL-17F 100 fold lower than IL-17A. Recombinant Mouse IL-17F produced in E.Coli is a non-glycosylated polypeptide comprised of two monomeric subunit each of mIL-17F. The dimer consists of 266 amino acids, with an approximate molecular weight of 29.8 kDa.

### BIOLOGICAL ACTIVITY:

IL-17F is fully bioactive when compared to standard. The ED<sub>50</sub> as determined by the dose-dependent induction of IL-6 in NHDF is 1.94 ng/ml.

### AA SEQUENCE:

RKNPKAGVPAKQKAGNCPPLDNTVRVDIRIFNQNQGISVPREFQNRSSSPWDYNITRDP  
HRFPSEIAEAQCRHSGCINAQGGQEDSTMNSVAIQQEILVLRREPQGCNSFRLEKMLLKV  
GCTCVKPIVHQAA

**FOR RESEARCH USE ONLY! Not to be used in humans.**

### RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
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- Akt & JNK Activity Assay Kits
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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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