

Recombinant Human Interleukin-17F (IL-17F)

CATALOG #: 4176F-25 25 µg
4176F-1000 1 mg

LOT #: _____

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg of IL-17F.

FORMULATION:

Lyophilized from a concentrated solution (1 mg/ml) containing 20 mM phosphate buffer (ph 7.4).

RECONSTITUTION:

The lyophilized IL-17F can be reconstituted in water to a concentration of 0.1-1.0 µg/µl. It is recommended that further dilutions be made into buffer containing carrier protein or medium containing serum.

STORAGE CONDITIONS:

The lyophilized human IL-17F is best-stored desiccated below 0°C. Reconstituted IL-17F should be stored at working aliquots at -20°C.

DESCRIPTION:

IL-17F is a member of the IL-17 family of structurally-related cytokines. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17F stimulates proliferation and activation of T-cells and PBMCs. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis. Recombinant human IL-17F is a 30.1 kDa consisting of two 134 amino acid polypeptide chains.

BIOLOGICAL ACTIVITY:

The ED50 as determined by the dose-dependent induction of IL-6 in NIH-3T3 cells was found to be approximately 10 ng/ml, corresponding to a specific activity of 1.0 x 10⁵ IU/mg.

USAGE: For Research Use Only! Not to be used in humans.

RELATED PRODUCTS:

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

Cell Fractionation System

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- 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
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- Bioluminescence Cytotoxicity Assay Kit
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- HAT Colorimetric Assay Kit & Reagents
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