

# Growth Factor Data Sheet

---

GoldBio growth factors are manufactured for **RESEARCH USE ONLY** and cannot be sold for human consumption!

Human interleukin-17F (IL17F) is encoded by the IL17F gene located on chromosome 6, and belongs to the IL17 family, which contains: IL17A, IL17B, IL17C, IL17D, IL17E and IL17F. IL17F shares 50% homology to the crystal structure of IL17A, and is expressed by activated T-cells. IL17 can stimulate the production of other cytokines such as IL6, IL8 and granulocyte colony-stimulating factor. IL17 also plays a role in the proliferation of PBMCs (peripheral blood mononuclear cells) and T-cells, the regulation of cartilage matrix turnover, and the inhibition of angiogenesis.

<b>Catalog Number</b>	<b>1110-17F</b>
<b>Product Name</b>	<b>IL17F, Human</b> Recombinant Human Interleukin-17F IL17F Interleukin 17F ML1
<b>Source</b>	<i>Escherichia coli</i>
<b>MW</b>	30.1 kDa (134 amino acids).
<b>Sequence</b>	MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSEVVQ AQRNLGCIN AQGKEDISMN SVPIQQETLV VRRKHQGCVS SFQLEKVLVT VGCTCVTPVI HHVQ
<b>Accession Number</b>	<a href="#">Q96PD4</a>
<b>Purity</b>	>95% by SDS-PAGE and HPLC analyses
<b>Biological Activity</b>	Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by inducing IL-6 secretion of murine NIH/3T3 cells is less than 20 ng/ml, corresponding to a specific activity of >5.0 × 10 <sup>4</sup> IU/mg.
<b>Formulation</b>	Sterile filtered white lyophilized powder. Purified and tested for use in cell culture.
<b>Storage/Handling</b>	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage. The reconstituted sample can be apportioned into working aliquots and stored at -80 °C for up to 6 months. Avoid repeated freeze/thaw cycles.
<b>Reconstitution</b>	The sample should be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a siliconized tube using PBS that contains a 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Reconstituted solutions are stable for up to one week at 2-8°C. Stock solutions should be aliquoted and stored at -80°C. Further dilutions should be made in appropriate buffered solutions containing BSA or serum.