

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

CATALOG #:	4176F-25	25 µg
	4176F-1000	1 mg
LOT #:	<hr/>	
SOURCE:	<i>E. coli</i>	
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-17 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 10 ⁵ IU/mg.	

FOR RESEARCH USE ONLY! Not to be used on humans.

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