

IL17 A/F, Rat Recombinant

CATALOG #:	7587-10	10 µg
	7587-50	50 µg
	7587-1000	1 mg
ALTERNATE NAMES:	Interleukin 17 A/F, IL-17A, IL-17F, Interleukin 17A, Interleukin 17F	
SOURCE:	E.Coli	
PURITY:	≥98% by SDS - PAGE	
MOL. WEIGHT:	30.7 kDa.	
ENDOTOXIN CONTENT:	Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein	
FORM:	Lyophilized	
FORMULATION:	Lyophilized without any additives.	

RECONSTITUTION: Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions.

STORAGE CONDITIONS: Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended that a carrier protein (0.1% HSA or BSA) is added for long term storage.

DESCRIPTION: Interleukin-17AF (IL-17AF) is a member of the IL-17 family of proteins produced by a subset of T cells, called Th17, following stimulation with IL-23. Since IL-17AF is thought to signal through the IL-17R receptor, its biological function is similar to that of IL-17A in that it induces the production of a variety of chemokines, in addition to airway neutrophilia. In regard to these functions, IL-17AF has less activity than the IL-17A homodimer but, greater activity than the IL-17F homodimer. Human and rat IL-17AF both show activity on mouse cells. Recombinant rat IL-17AF is a non-glycosylated, disulfide-linked heterodimer. It is comprised of one monomeric subunit each of IL-17A and IL-17F, having a total of 269 amino acids and a molecular weight of 30.7 kDa.

BIOLOGICAL ACTIVITY: The activity determined by the dose-dependent induction of IL-6 production in cultured mouse NIH 3T3 fibroblasts, is typically 20-30 ng/mL.

AMINO ACID SEQUENCE:**IL-17A subunit:**

MAVLIPQSSV CPNAEANNFL QNVKVNKVL NSLSSKASSR RPSDYLNRS SPWTLSRND
PDRYPSVIWE AQCRHQRCVN AEGKLDHMMN SVLIQQEILV LKREPEKCPF TFRVEKMLVG
VGCTCVSSIV RHAS

IL-17F subunit:

MARRNPKVGL SALQKAGNCP PLEDNSVRVD IRIFNQNGI SVPRDFQNRS SSPWD
YNITR DPDRFPSEIA EAQCRHSGCI NAQQQEDGSM NSVPIQQEIL VLRREPQGS
NSFRLEKMLI KVGCTCVTPI VHAA

RELATED PRODUCTS:

- IL17 A/F, human recombinant (**Cat. No. 4176AF-10, -50, 1000**)
- IL17 A/F, mouse recombinant (**Cat. No. 7386-10, -50, 1000**)
- Human Cell^{exp} Human Recombinant IL-17A (**Cat # 6468-10, -50**)
- IL-17, murine recombinant (**Cat # 4177-10, -1000**)
- IL-17A, human recombinant (**Cat # 4176-25, -1000**)
- IL-17A, rat recombinant (**Cat # 4178-25, -1000**)
- IL-17E, human recombinant (**Cat # 4176E-25, -1000**)
- IL-17E, murine recombinant (**Cat # 4177E-25, -100, -1000**)
- IL-17E, rat recombinant (**Cat # 4178E-25, -100, -1000**)
- IL-17F, human recombinant (**Cat # 4176F-25, -1000**)
- IL-17F, murine recombinant (**Cat # 4177F-25, -100, -1000**)
- IL-17F, rat recombinant (**Cat # 4178F-25, -100, -1000**)
- IL-17 Antibody (**Cat # 5176-200**)

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