

GFR29 Recombinant Rat IL-17A/F

Description

Interleukin-17A/F (IL-17A/F) is a heterodimer that is composed of the interleukin-17A (IL-17A) and interleukin-17F (IL-17F) members of the IL-17 family of cytokines. IL-17A/F is produced by T helper 17 cells (Th17) following interleukin-23 (IL-23) stimulation. IL-17A/F signals through the IL-17RA/IL-17RC receptor complex and functions to regulate inflammatory responses. IL-17A/F induces chemokine and airway neutrophilia production, similar in function to IL-17A and IL-17F homodimers. In regard to these functions, IL-17A/F is less active than the IL-17A homodimer and shows greater activity than the IL-17F homodimer. Human and rat IL-17A/F are active on mouse cells.

Length	134 / 268 aa
Molecular Weight	15.1 / 30.2 kDa
Source	E. coli
Accession Number	Q61453/Q5BJ95
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names	Interleukin-17A/F, heterodimeric interleukin-17A/F, IL17AF, IL-17AF
Biological Activity	Rat IL-17A/F is fully biologically active when compared to standard. The activity is determined by the ability to produce mouse IL-6 by NIH-3T3 cells.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	IL-17A: MAVLIPOSSV CPNAEANNFL QNVKVNLIKVL NSLSSKASSR RPSDYLNRSST SPWTLSRNED PDRYPSVIWE AQCRHQRCVN AEGKLDHMHM SVLIQQEILV LKREPEKCPF TFRVEKMLVG VGCTCVSSIV RHAS IL-17F: MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSEVVQ AQCRNLGCIN AQ

Preparation and Storage

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 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.