

Recombinant Mouse IL-17AF Heterodimer Protein

Cat. No. IL17A-140M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL-17AF Heterodimer Protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Interleukin 17AF (IL-17AF) 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-17AF is produced by T helper 17 cells (Th17) following interleukin 23 (IL-23) stimulation. IL-17AF signals through the IL-17RA/IL-17RC receptor complex and functions to regulate inflammatory responses. IL-17AF induces chemokine and airway neutrophilia production, similar in function to IL-17A and IL-17F homodimers. In regard to these functions, IL-17AF is less active than the IL-17A homodimer and shows greater activity than the IL-17F homodimer. Human and rat IL-17AF are active on mouse cells.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Dimer, 30.1 kDa (134/268 aa)
AA Sequence	IL-17A: MAAIIPQSSACPNTAKDFLQNVKVNLIKVFNSLGAKVSSRRPSDYLNLRSTSP WTLHRNEDPDRYPSVIWEAQCRHQRCVNAEGKLDHHMNSVLIQQEILVLRKREPESC PFTFRVEKMLVGVGCTCVASIVRQAA IL-17F: MRKNPKAGVPALQKAGNCPPLEDNTVRVDIRIFNQNGISVPREFQNRSSS

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PWDYNITRDPHRFPSEIAEAQCRHSGCINAQQQEDSTMNSVAIQQEILVLRREPQGC
SNSFRLEKMLLKVGCTCVKPIVHQA

Endotoxin ≤1 EUs/μg, Kinetic LAL

Purity ≥95%, Reducing and Non-Reducing SDS PAGE

Stability
12 months from date of receipt when stored at -20 to -80 centigrade as supplied.
1 month when stored at 4 centigrade after reconstituting as directed.
3 months when stored at -20 to -80 centigrade after reconstituting as directed.

Storage Storage Prior to Reconstitution: -20 centigrade

Storage Buffer Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)

Reconstitution Sterile water at 0.1 mg/mL

Shipping Room temperature

Instructions
Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name IL17a interleukin 17A [*Mus musculus* (house mouse)]

Official Symbol IL17A

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Synonyms	IL17A; interleukin 17A; interleukin-17A; cytotoxic T-lymphocyte-associated antigen 8; Il17; Ctla8; IL-17; Ctla-8; IL-17A;
Gene ID	16171
mRNA Refseq	NM_010552
Protein Refseq	NP_034682
UniProt ID	Q62386

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