

IL-17A/F, human recombinant protein

IL17A/F, IL17 A/F, IL-17A/F Interleukin-17 A/F, Interleukin-17 AF

Catalog # PBV10153r

Specification**IL-17A/F, human recombinant protein - Product info**

Primary Accession

[Q96PD4](#)

Calculated MW

30.7 kDa KDa

IL-17A/F, human recombinant protein - Additional Info

Gene ID

IL17A-3605 IL17F-112744

Gene Symbol

IL17A;IL17F

Other Names

IL17A/F, IL17 A/F, IL-17A/F Interleukin-17 A/F, Interleukin-17 AF, Cytotoxic T-lymphocyte-associated antigen 8

Gene Source

Human

Source

E. coli

Assay&Purity

SDS-PAGE; ≥98%

Assay2&Purity2

HPLC;

Recombinant

Yes

Sequence

MIVKAGITIPRNP GCPNSEDKNFPRTVMVNLNI
HNRNTNTNPKRSSDYNNRSTSPWNLHRNEDP
ERYPSVIWEAKCRHLGCINADGNVDYHMNSVP
IQQEILVLRREPPHCPNSFRLEKILVSVGCTCVT
PIVHHVAMRKIPKVGHTFFQKPESCPPVPGGS
MKLDIGIINENQRVSMRNIERSRSTSPWNYTVT
WDPNRYPPSEVVQAQCRNLGCINAQGKEDISMN
SVPIQQETLVVRRKHQGCSVSFQLEKVLVTVGC
TCVTPVIHHVQ**Target/Specificity**

IL-17A/F

Application NotesCentrifuge the vial prior to opening. Reconstitute with sterile H₂O to a concentration not more than 1 mg/ml; This solution can then be diluted into other aqueous buffers.**Format**

Lyophilized protein

Storage

-20°C; Lyophilized with no additives

IL-17A/F, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IL-17A/F, human recombinant protein - Images

IL-17A/F, human recombinant protein - Background

Human IL-17A/F is a 40 kDa glycoprotein which is secreted as a disulfide-linked heterodimer. IL-17A/F consists of two proteins, IL-17A and IL17F. Human IL17A is produced as a 155 a.a precursor that includes a 23 amino acids signal sequence and a 132 amino acid chain that includes an N-linked glycosylation site. Human IL17F is produced as a 153 amino acid precursor with a 20 amino acid signal sequence and a 133 amino acid region and an N-linked glycosylation site. Both proteins (IL17A & IL17F) share 50 % amino acid sequence identity. Human IL17A & IL17F show approximately 60 % homology in their amino acid sequence to mouse IL-17A and IL-17F. Interleukin-17A/F and IL17A, IL17F homodimers are manufactured by activated CD4+ T cells, called Th17. IL-23 causes Th17 lymphocytes to manufacture IL-17A/F. Interleukin-17A/F induces chemokine production and airway neutrophilia with intermediate potency between IL17A (most potent) and IL17F (least potent). IL-17A/F Human Recombinant produced in E.Coli is a heterodimeric, non-glycosylated polypeptide chain containing 1 monomeric subunit of each IL-17A & IL-17F. The active dimer contains 271 amino acids and having a total molecular mass of 30.7 kDa. The IL-17A/F Human is purified by proprietary chromatographic techniques.

IL-17A/F, human recombinant protein - References

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Mungall A.J.,et al.Nature 425:805-811(2003).
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