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# 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 | **MIVKAGITIPRNPGCPNSEDKNFPRTVMVNLNI HNRNTNTNPKRSSDYYNRSTSPWNLHRNEDP ERYPSVIWEAKCRHLGCINADGNVDYHMNSVP IQQEILVLRREPPHCPNSFRLEKILVSVGCTCVT PIVHHVAMRKIPKVGHTFFQKPESCPPVPGGS MKLDIGIINENQRVSMSRNIESRSTSPWNYTVT WDPNRYPSEVVQAQCRNLGCINAQGKEDISMN SVPIQQETLVVRRKHQGCSVSFQLEKVLVTVGC TCVTPVIHHVQ** |

**Target/Specificity**
IL-17A/F

**Application Notes**
Centrifuge the vial prior to opening. Reconstitute with sterile $H_2O$ 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 Cytomety
- 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 activted 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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