

## 32-8440: Recombinant Human Interleukin-17A/F Heterodimer/IL-17A & IL-17F (C-6His)(Discontinued)

**Gene :** IL17A  
**Gene ID :** 3605  
**Uniprot ID :** Q16552

### Description

Source: HEK293.

MW :43.2kD.

Recombinant Human IL-17A & IL-17F Heterodimer is produced by our Mammalian expression system and the target gene encoding Ile20-Ala155&Arg31-Gln163 is expressed with a 6His tag at the C-terminus. The IL-17 family include IL-17A, IL-17B, IL-17C, IL-17D, IL-17E (also called IL-25), and IL-17F. The family is comprised of at least six proinflammatory cytokines that share a conserved cysteine-knot structure but diverge at the N-terminus. All members of the IL-17 family have a similar protein structure, with four highly conserved cysteine residues critical to their 3-dimensional shape, yet they have no sequence similarity to any other known cytokines. IL-17 family members are glycoproteins secreted as dimers that induce local cytokine production and recruit granulocytes to sites of inflammation. IL-17 is induced by IL-15 and IL-23, mainly in activated CD4+ T cells distinct from Th1 or Th2 cells. IL-17F is the most homologous to IL-17, but is induced only by IL-23 in activated monocytes.

### Product Info

**Amount :** 10 µg / 50 µg (1mg/ml)  
**Content :** Protein in sterile PBS, pH 7.4, 5% trehalose, 5% mannitol, 0.01% tween-80.  
**Storage condition :** Protein should be stored at -20°C, though stable at room temperature for 3 weeks. Dilute in PBS.  
**Amino Acid :** MTSTLPFSPQVSTPRSKFKRISSEFAATMTPGKTSLSVLLLLLSLEAIVKAGITIPRNPGPCNSEDKNFPRTVMVNLNIHNRNTNTNPKRSSDYNNRSTSPWNLHRNEDPERYPVWEAKCRHLGCINADGNVDYHMNSVPIQQEILVLRREPPHCPNSFRLEKILVSVGCTCVTPIVHHVAMTSTLPFSPQVSTPRSKFKRISVLSIEFAATMTVKT LHGPAMVKYLLLSILGLAFLSEAAARKIPKVGHTFFQKPESCPPVPGGSMKLDIGIINENQRVMSRNIESTSPWNYTVTWDPNRYPSEVVQAQCRNLGCINAQKGEDISMNSVPIQETLVVRRKHQGCVSFQLEKVLTVGCTCVTPVIH RVQVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

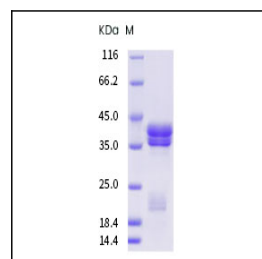


Figure 1: IL17A & IL17F Heterodimer Protein

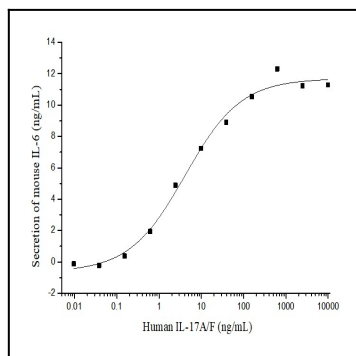


Figure 2: Measured by its ability to induce IL-6 secretion by NIH3T3 mouse embryonic fibroblast cells in the presence of 20 ng/mL TNF $\alpha$ . The ED50 for this effect is 0.8-4 ng/mL.