

Human IL17A & IL17F Protein



Sino Biological
Biological Solution Specialist

Catalog Number: CT047-HNAE

General Information

Gene Name Synonym:

CTLA8; IL-17; IL-17A; IL17

Protein Construction:

A DNA sequence encoding the human IL17A (Q16552) (Ile20-Ala155) was expressed, constructed the plasmid 1; the human IL17F (NP_443104.1) (Arg31-Gln163) was expressed, constructed the plasmid 2. The two plasmids were co-expressed and the heterodimer was purified.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 95 % as determined by SDS-PAGE.

Bio Activity:

1. Measured by its ability to induce IL-6 secretion by NIH- 3T3 mouse embryonic fibroblast cells in the presence of 20ng/mL TNF α . The ED50 for this effect is 1-6 ng/mL.

2. Ixekizumab captured on Protein A chip can bind Recombinant Human IL17A & IL17F Heterodimer Protein (Cat. No. CT047-HNAE) with an affinity constant of 5.94 pM as determined in an SPR assay (Biacore T200) (Routinely tested).

Endotoxin:

Please contact us for more information.

Predicted N terminal: Met & Met

Molecular Mass:

The recombinant heterodimer of human IL17A & IL17F comprises 271 (137+134) amino acids and has a calculated molecular mass of 30.7 (15.7+15) kDa.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:

