

IL-17A & IL-17F Heterodimer Protein, Human, Recombinant

General Information

Synonyms: CTLA8;IL17;IL-17;IL-17A;interleukin 17A

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. Predicted N terminal: Met & Met

Species: Human

Expression Host: E. coli

Accession: Q16552&NP_443104.1

Molecular Weight: 30.7 kDa (predicted)

QC Testing

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

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

Endotoxin: Please contact us for more information.

Formulation: Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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