

IL-17D Protein, Human, Recombinant

General Information

Synonyms:	IL17D;Interleukin-17D;IL-17D
Protein Construction:	Ala18-Pro202
Species:	Human
Expression Host:	E. coli
Accession:	Q8TAD2
Molecular Weight:	20 KDa (reducing condition)
AA Sequence:	Ala18-Pro202

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing 20 mM Glycine-HCl, 4% Sucrose, 4% Mannitol, 0.02% Tween 80, pH3.0.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

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.

Protein Background

The Interleukin-17 family proteins, comprising six members (IL-17, IL-17B through IL-17F), are secreted, structurally related proteins that share a conserved cysteine-knot fold near the C-terminus, but have considerable sequence divergence at the N-terminus. IL-17 family proteins are proinflammatory cytokines that induce local cytokine production and are involved in the regulation of immune functions. Among IL-17 family members, IL-17D is most closely related to IL-17B, sharing 27% aa sequence homology. IL-17D is expressed preferentially in skeletal

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muscle, heart, adipose tissue, lung, pancreas, and nervous system. Like other IL-17 family members, IL-17D modulates immune responses indirectly by stimulating the production of myeloid growth factors and chemokines including IL-6, IL-8, and GM-CSF. IL-17D has also been shown to suppress the proliferation of myeloid progenitors in colony formation assays.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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