

Recombinant Human IL-17B protein(His Tag)

Catalog Number: PKSH034105

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Species	Human
Source	E.coli-derived Human IL-17B protein Gln 21-Phe 180, with an C-terminal His
Calculated MW	19.1 kDa
Observed MW	17 kDa
Accession	Q9UHF5
Bio-activity	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED ₅₀ for this effect is <49 ng/mL.

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 8.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Background

Interleukin-17B (IL-17B) is a member of IL-17 cytokines family that plays important roles in host defence responses and inflammatory diseases. In addition to IL-17B, members of the IL-17 family include IL-17A, IL-17C, IL-17D, IL-17E and IL-17F. The six IL-17 cytokines are highly conserved at C terminus, and contain five spatially conserved cysteine residues that mediate dimerization. Expression of IL-17B protein has been reported in neurons, testis, ovary, stomach, pancreas, small intestine and chondrocytes. IL-17B binds to Interleukine-17 receptor B (IL-17 RB) and induces the production of inflammatory cytokines and the infiltration of inflammatory immune cells.

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