Interleukin-17F Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: IL-17F

Cat. No.:

RBG10017F005	(5 µg)
RBG10017F025	(25 µg)
RBG10017F100	(100 µg)

Description

IL-17F, a member of the IL-17 family of structurally related cytokines, has been shown to stimulate the proliferation and activation of T-cells and PBMCs. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis. The mature human IL-17F is a homodimeric protein with a total weight of 30.1 kDa, consisting of two 133 amino acid residue chains. E.coli-derived Recombinant Human IL-17F is a biologically active, non-glycosylated, disulfide-linked homodimeric protein containing 268 amino acids (30.1 kDa), including N-terminal methionine residues.

Research topic

Animal studies, Cytokines and chemokines and related molecules

Amino Acid Sequence

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MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSEVVQ AQCRNLGCIN
AQGKEDISMN SVPIQQETLV VRRKHQGCSV SFQLEKVLVT VGCTCVTPVI HHVQ
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Source

E. coli

Purity

98%

Biological Activity

Measured by its ability to induce IL-6 production by NHDF cells.

Endotoxin

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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