Recombinant Human IL-17F

20200929BB

FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	**100-228S**
Size:	5 µg
Lot. No.:	According to product label

Scientific Background

Gene-ID (NCBI):	*64806*
Synonyms:	IL25; IL17E

IL-17F, a member of the IL-17 family of structurally related cytokines, has been shown to stimulate proliferation and activation of T-cells and PBMCs. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis. Recombinant human IL-17F is a disulfide-linked homodimer of 30.1 kDa, consisting of two 133 amino acid residue chains.

Sequence

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

Protein RefSeq:	NP_443104.1
Uniprot ID:	Q96PD4
mRNA RefSeq:	NM_052872.3

Product Specifications

Expressed in	E. coli
Purity	> 98% by SDS-PAGE & HPLC analyses
Structural Information	disulphide-linked homodimer
Endotoxin level	< 0.1 ng /µg of protein (<1EU/µg).
Formulation	Lyophilized (10 mM Acetic Acid)
Length (aa):	133
MW:	30.1 kDa

Stability: The lyophilized protein is stable at room temperature for 1 month and at 4°C for 6 months. Reconstituted working aliquots are stable for 1 week at 2°C to 8°C and for 3 months at -20°C to -80°C.

Reconstitution: Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/m. *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.

AVOID REPEATED FREEZE AND THAW CYCLES!

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