

Recombinant Human IL17F protein

Cat. No. IL17F-36H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL17F protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	134
Description	Human Interleukin-17F (IL-17F) is encoded by the IL17F gene located on the chromosome 6 and belongs to the IL-17 family which contains IL-17A, IL-17B, IL-17C, IL-17D, IL-17E and IL-17F. IL-17F that shares 50 % homologous of crystal structure to IL-17A and is expressed by activated T cells, has the functions of stimulating production of other cytokines (such as IL-6, IL-8 and granulocyte colony-stimulating factor) and proliferation of PBMC and T-cell, regulating cartilage matrix turnover, and inhibiting angiogenesis.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by inducing IL-6 secretion of murine NIH/3T3 cells is less than 20 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^4$ IU/mg.
Molecular Mass	Approximately 30.1 kDa, a disulfide-linked homodimer of two 134 amino acid polypeptide chains.

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AA Sequence	MRKIPKVGHTFFQKPESCPPVPGGSMKLDIGIINENQRVSMSRNIESRSTSPWNYTV TWDPNRYPSEVVQAQCRNLGCINAQGKEDISMNSVPIQQETLVVRRKHQGCVSF QLEKVLVTVGCTCVTPVIHHVQ
Endotoxin	Less than 1 EU/g of rHuIL-17F as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 6 mM HCl to a concentration of 0.1mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	IL17F
Official Symbol	IL17F
Synonyms	IL17F; interleukin 17F; interleukin-17F; IL 17F; ML 1; ML1; IL-24; cytokine ML-1; mutant IL-17F; interleukin-24; ML-1; CANDF6; IL-17F;
Gene ID	112744
mRNA Refseq	NM_052872

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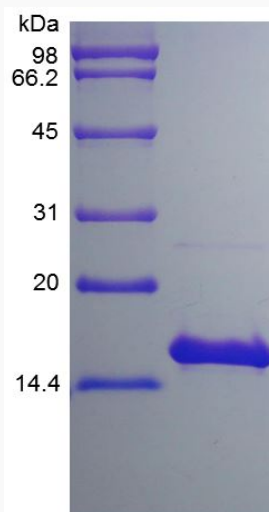
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Protein Refseq NP_443104

MIM 606496

UniProt ID Q96PD4

SDS-PAGE of IL17F-
36H



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