

Recombinant Human Interleukin-17F

#R00058

Size:

5 µg/100 µg/500 µg

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.

- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

Background

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.

AA Sequence

MRKIPKVGHTFFQKPESCPPVPGGSMKLDIGIINENQ

RVMSMRNIESRSTSPWNYTWTWDPNRYPPSEVVQQAQ

CRNLGCINAQGKEDISMNSVPIQQETLVVRRKHQGC

SVSFQLEKVLVTVGCTCVTPVIHHVQ

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 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Synonyms	ML-1, IL-24
Accession	Q96PD4
GeneID	112744
Species	Human
Source	Escherichia coli.
Molecular Weight	Approximately 30.1 kDa, a disulfide-linked homodimer of two 134 amino acid polypeptide chains.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ 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 × 10 ⁴ IU/mg.

Physical	Sterile Filtered White lyophilized
Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 1 EU/µg of rHuIL-17F as determined by LAL method.
