

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	101-17F
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 30.1 kDa, a disulfide-linked homodimer of two 134 amino acid polypeptide chains.
Quantity:	5µg/25µg/1000µg
AA Sequence:	MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSEVVQ AQCRLGGIN AQQKEDISMN SVPIQQETLV VRRKHQGCSV SFQLEKVLVT VGCTCVTPVI HHVQ
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 Appearance:	Sterile Filtered White lyophilized (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.
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.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 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.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. NOT FOR HUMAN USE.

Human Interleukin-17F

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.