

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	121-25
Source:	Escherichia coli.
Molecular Weight:	Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.
Quantity:	2µg /10µg /1000µg
AA Sequence:	MVSEPTTVPF DVRPGGVVHS FSQDVGPGNK FTCTFTYASQ GGTNEQWQMS LGTSEDSQHF TCTIWRPQGK SYLYFTQFKA ELRGAEIEYA MAYSKAAFER ESDVPLKSEE FEVTKTAVSH RPGAFKAELS KLVIVAKAAR SEL
Purity:	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Data Not Available.
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 rMuSF-20 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 sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/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.

Murine SF-20

SF-20 or IL-25 belongs to the IL-17 family and is also named IL-17E. It is encoded by IL-25 (IL-17E) gene located on chromosome 14 in murine and secreted by several tissues at low levels, for instance, brain, kidney, lung, prostate, testis, spinal cord, adrenal gland, and trachea. This cytokine is initially identified as a product of bone marrow-derived stromal cells and plays an important role in proliferation of lymphoid cells and is considered an interleukin. It rest CD8⁺ and CD19⁺ cells and activated CD8⁺ T cells and has been shown to bind to the surface of cells expressing the receptor TSA-1 (Thymic shared Ag-1). Additionally, it induces the production of other cytokines, including IL-4, IL-5 and IL-13 in multiple tissues, which stimulate the expansion of eosinophils.