

## Recombinant Murine SF-20/IL-25

### Information

<b>Gene ID</b>	28106
<b>Accession #</b>	Q9CPT4
<b>Alternate Names</b>	IL-17E, IL-25
<b>Source</b>	Escherichia coli.
<b>M.Wt</b>	Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.
<b>AA Sequence</b>	MVSEPTTVPF DVRPGGVVHS FSQDVGPGNK FTCTFTYASQ GGTNEQWQMS LGTSEDSQHF TCTIWRPQGK SYLYFTQFKA ELRGAEIEYA MAYSKAAFER ESDVPLKSEE FEVTKTAVSH RPGAFKAELS KLVIVAKAAR SEL
<b>Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Stability &amp; Storage</b>	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
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
<b>Reconstitution</b>	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.
<b>Biological Activity</b>	Data Not Available.
<b>Shipping Condition</b>	Gel pack.
<b>Handling</b>	Centrifuge the vial prior to opening.
<b>Usage</b>	For Research Use Only! Not to be used in humans.

### Components and Storage

Components	10µg	100µg	500µg
Recombinant Murine SF-20/IL-25	10µg	100µg	500µg

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

## Quality Control

Purity	> 95 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 1 EU/ $\mu$ g of rMuSF-20 as determined by LAL method.

## Description

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.

## Reference

1. Tulin EE, Onoda N, Nakata Y, et al. 2003. J Immunol, 170: 1593
2. Terashima A, Watarai H, Inoue S, et al. 2008. J Exp Med, 205: 2727-33.

**APExBIO Technology**  
**[www.apexbt.com](http://www.apexbt.com)**

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

