

Recombinant Mouse Mydgf protein

Cat. No. Mydgf-2338M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mydgf protein was expressed in Escherichia coli.
Species	Mouse
Source	E.coli
ProteinLength	143
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.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Molecular Mass	Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.
AA Sequence	MVSEPTTVPFVVRPGGVVHSFSQDVGPNGKFTCTFTYASQGGTNEQWQMSLGTS

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EDSQHFTCTIWRPQGKSYLYFTQFKAELRGAEIEYAMAYSKAAFERESDVPLKSEEF
EVTKTAVSHRPGAFKAELSKLVIVAKAARSEL

Endotoxin Less than 1 EU/g of rMuSF-20 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 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 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name [Mydgf](#)

Official Symbol [Mydgf](#)

Synonyms IL-17E, IL-25

Gene ID [28106](#)

mRNA Refseq [NM_080837.2](#)

Protein Refseq [NP_543027.1](#)

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UniProt ID

Q9CPT4

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