

Recombinant Mouse MYDGF/SF20

Catalog # FL062

Product Specifications

Appearance	Sterile filtered White lyophilized (freeze-dried) powder.
Purity	> 98% by SDS-PAGE or HPLC.
Endotoxin	< 0.01 EU/μg of rMuSF-20/IL-25 protein as determined by LAL method.
Expression System	Expressed in E. coli.
Species	Mouse
Tag	Tag free.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, with 150 mM NaCl, pH 7.4.
Reconstitution	Before use this product, please read the direction below carefully. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in a 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.
Accession #	Q9CPT4 Val25-Leu166 with a N-terminal Met
Amino acid sequence	MVSEPTTVPFDVDPGGVVHFSFSQDVGPGNKFTCTFTYASQGGTNEQWQMSLGTSEDSQHFTCTIWRPQGKSYLYFTQFKA ELRGAEIEYAMAYSKA AFERESDVPLKSEEFVTKTAVSHRPGAFKAELSKLVIVAKAARSEL
Molecular weight	Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 143 amino acids.
Stability & Storage	Shipped on wet ice. For long term storage, the product should be stored ≤ -20°C. Please avoid repeated freeze-thaw cycles after reconstitution. 36 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.
Precautions	Recombinant Mouse MYDGF/SF20 is for research use only and not for use in diagnostic or therapeutic procedures.

Background

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 Mouse and secreted by several tissues at low levels. 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 as an interleukin. It rests CD8⁺ and CD19⁺ cells and activated CD8⁺ T cells and has been shown to bind to the surface of cells expressing the receptor TSSA-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. Recombinant Mouse SF-20/IL-25 is a 15.8kDa protein containing 143 amino acid.

