

Active Recombinant Mouse Fgf1 protein

Cat. No. Fgf1-558M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fgf1 protein(P61148)(16-155 aa) was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	16-155 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 1×PBS, pH7.0, 5%Trehalose, 0.02%Tween-80, 0.5mM DTT, 0.5mM EDTA
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using murine balb/c 3T3 cells is less than 0.2 ng/ml, corresponding to a specific activity of $> 5.0 \times 10^6$ IU/mg in the presence of 10 µg/ml of heparin.
Molecular Mass	Approximately 15.8 kDa, a single non-glycosylated polypeptide chain containing 140 amino acid residues.
AASequence	FNLPLGNYKK PKLLYCSNGG HFLRILPDGT VDGTRDRSDQ HIQLQLSAES AGEVYIKGTE TGQYLAMDTE GLLYGSQTPN EECLFLERLE ENHYNTYTSK KHAEKNWFVG LKKN GSCKRG PRTHYGQKAI LFLPLPVSSD
Endotoxin	Less than 1 EU/µg of rMuaFGF as determined by LAL method.

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Purity	> 96 % by SDS-PAGE and HPLC analyses.
Storage	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.
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.
GENE INFORMATION	
Gene Name	Fgf1 fibroblast growth factor 1 [Mus musculus]
Official Symbol	Fgf1
Synonyms	FGF1; fibroblast growth factor 1; aFGF; HBGF-1; acidic fibroblast growth factor; heparin-binding growth factor 1; fibroblast growth factor 1 (acidic); Fam; Fgfa; Dffrx; Fgf-1;
Gene ID	14164
mRNA Refseq	NM_010197
Protein Refseq	NP_034327
SDS-PAGE	

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