Active Recombinant Mouse Fgf1

Cat. No. Fgf1-634M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fgf1 (Accession # NP_034327) Phe16-Asp155, fused with an N-terminal Met, was produced in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Phe16-Asp155
Predicted N Terminal	Met
Form	Lyophilized from a 0.2 μm filtered solution in MOPS, Na2SO4, EDTA and DTT with BSA as a carrier protein.
Bio-activity	Measured in a cell proliferation assay using NR6R-3T3 mouse fibroblast cells. Rizzino, A. et al. (1988) Cancer Res. 48:4266; Thomas, K. et al. (1987) Methods Enzymol. 147:120.The ED50 for this effect is typically 0.05 - 0.25 ng/mL in the presence of 10 μg/mL heparin.
Molecular Mass	Recombinant Mouse Fgf1, Met-tagged has a calculated MW of 16 kDa.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4ºC); After reconstitution under sterile conditions for 3

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	months (-70ºC).
Reconstitution	Reconstitute at 200 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

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
MIM	

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