

# Active Recombinant Mouse Fgf1

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Fgf1 (Accession # NP_034327) Phe16-Asp155, fused with an N-terminal Met, was produced in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Phe16-Asp155
<b>Predicted N Terminal</b>	Met
<b>Form</b>	Lyophilized from a 0.2 µm filtered solution in MOPS, Na2SO4, EDTA and DTT with BSA as a carrier protein.
<b>Bio-activity</b>	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.
<b>Molecular Mass</b>	Recombinant Mouse Fgf1, Met-tagged has a calculated MW of 16 kDa.
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
<b>Storage</b>	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3

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months (-70°C).

**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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