

Active Recombinant Mouse Fgf1 Protein

Cat. No. Fgf1-056M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of mouse fibroblast growth factor acidic (Phe16-Asp155) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
ProteinLength	16-155 a.a.
Description	Broad expression in lung adult (RPKM 20.2), heart adult (RPKM 15.2) and 16 other tissues.
Bio-activity	ED50 is less than 0.5 ng/ml as determined by the dose-dependent stimulation of thymidine uptake by 3T3 cells in the presence of Heparin. Specific Activity of 2.0 x 10 ⁶ IU/mg.
Molecular Mass	15.8 kDa
Endotoxin	< 0.1 EU per µg protein as determined by LAL test
Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.

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Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 M filtered solution of 20mM Tris-HCl, 500mM NaCl, pH 6.6.
Reconstitution	Resuspend the protein in the desired concentration in proper buffer.
GENE INFORMATION	
Gene Name	Fgf1 fibroblast growth factor 1 [Mus musculus (house mouse)]
Official Symbol	Fgf1
Synonyms	Fgf1; fibroblast growth factor 1; Fam; Fgfa; Dffrx; Fgf-1; fibroblast growth factor 1; HBGF-1; aFGF; acidic fibroblast growth factor; fibroblast growth factor 1 (acidic); heparin-binding growth factor 1
Gene ID	14164
mRNA Refseq	NM_010197
Protein Refseq	NP_034327
UniProt ID	P61148

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