

Active Recombinant Mouse Fgf1 Protein

Cat. No. Fgf1-057M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse fibroblast growth factor 1 (Fgf1) without tag was expressed in E.coli.
Species	Mouse
Source	E.coli
Description	Broad expression in lung adult (RPKM 20.2), heart adult (RPKM 15.2) and 16 other tissues.
Bio-activity	Assay #1: ED50 as determined by the dose-dependent stimulation of thymidine uptake by 3T3 cells in the presence of heparin is less than or equal to 0.5 ng/ml corresponding to a specific activity of $> 2 \times 10^6$ units/mg. Assay #2: ED50 was determined by a cell proliferation assay using balb/c 3T3 cells is less than or equal to 0.2 ng/ml in the presence of 10 ug/mL heparin, corresponding to a specific activity of $> 5 \times 10^6$ units/mg.
Molecular Mass	15.9 kDa
AA Sequence	MFNLPLGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESAGEVYI KGTETGQYLAMDTEGLLYGSQTPNEECLFLERLEENHYNTYTSSKKHAEKNWVGLK KNGSCKRGPRTHYGQKAILFLPLPVSSD
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)

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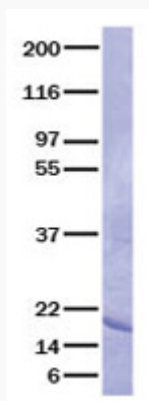
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Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 M filtered solution of 20mM phosphate buffer, 100mM NaCl, pH 7.2
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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