

Active GMP Recombinant Mouse Fgf2 Protein, His-Tagged

Cat. No. Fgf2-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Fgf2 Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	Enables growth factor activity. Involved in stem cell development. Acts upstream of or within several processes, including animal organ development; positive regulation of macromolecule metabolic process; and positive regulation of signal transduction. Located in extracellular space. Is expressed in several structures, including alimentary system; central nervous system; extraembryonic component; genitourinary system; and sensory organ. Human ortholog(s) of this gene implicated in several diseases, including Parkinsonism; corneal neovascularization; diabetic neuropathy; gastric ulcer; and impotence. Orthologous to human FGF2 (fibroblast growth factor 2).
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is <1.5 ng/mL. The specific activity of recombinant mouse FGF-2 is approximately >1x 10 ⁶ IU/mg.
AA Sequence	ALPEDGGAAFPFGHFKDPKRLYCKNGGFFLRIHPDGRVDGVREKSDPHVKLQLQAE ERGVVSIKGVCANRYLAMKEDGRLLASKCVTEECFF FERLESNNYNTYRSRKYSWYVALKRTGQYKLGSKTGPGQKAILFLPMSAKS with p

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	olyhistidine tag at the N-terminus
Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	≥98% as determined by SDS-PAGE and HPLC. Purified by Ni-NTA chromatography.
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 0.01% sarkosyl in 1X PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	Fgf2 fibroblast growth factor 2 [Mus musculus (house mouse)]
Official Symbol	Fgf2
Synonyms	Fgfb; bFGF; Fgf-2; Fgf2a
Gene ID	14173
mRNA Refseq	NM_008006.2

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Protein Refseq NP_032032.1

UniProt ID P15655

kDa

75-
63-
48-
35-
25-
17-
11-

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