

Active Recombinant Mouse Fgf2 Protein

Cat. No. Fgf2-7206M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fibroblast Growth Factor-2 without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
Description	Acts as a ligand for FGFR1, FGFR2, FGFR3 and FGFR4. Also acts as an integrin ligand which is required for FGF2 signaling. Binds to integrin ITGAV:ITGB3. Plays an important role in the regulation of cell survival, cell division, cell differentiation and cell migration. Functions as a potent mitogen in vitro. Can induce angiogenesis. Mediates phosphorylation of ERK1/2 and thereby promotes retinal lens fiber differentiation.
Form	Lyophilized freeze dried protein without additives.
Bio-activity	The activity was determined by the stimulation of HUVE cells. The ED50 for this effect is = 0.1 ng/mL corresponding to a specific activity of = 1×10^7 units/mg.
Molecular Mass	16.34 kDa
AA Sequence	ALPEDGGAAFPFGHFKDPKRLYCKNGGFFLRIHPDGRVDGVREKSDPHVKLQLQAE ERGVVSIKGVCANRYLAMKEDGRLLASKCVTEECFFFERLESNNYNTYRSRKYSW YVALKRTGQYKLGSKGPGQKAILFLPMSAKSResultbyN-terminalsequencing:ALPED GGAAF
Endotoxin	< 0.1 ng/μg of Mouse FGF-2

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95 %
Storage	The lyophilized Mouse FGF-2, though stable at room temperature, is best stored in working aliquots at –20 to –70 centigrade. Avoid repeated freeze-thaw cycles
Storage Buffer	PBS without stabilizers
Reconstitution	Restore with ddH ₂ O or 50 mM Acetic Acid at 50 µg/mL. This solution can be diluted into other buffered solutions or stored frozen for future use.

GENE INFORMATION

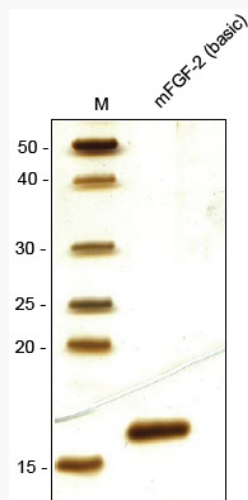
Gene Name	Fgf2 fibroblast growth factor 2 [Mus musculus (house mouse)]
Official Symbol	Fgf2
Synonyms	Fgf2; fibroblast growth factor 2; Fgfb; bFGF; Fgf-2; Fgf2a; fibroblast growth factor 2; HBGF-2; basic fibroblast growth factor; fibroblast growth factor 2a; heparin-binding growth factor 2
Gene ID	14173
mRNA Refseq	NM_008006
Protein Refseq	NP_032032
UniProt ID	P15655

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA