

Recombinant Rat Fgf2 Protein, His-tagged

Cat. No. Fgf2-1489R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Fgf2 Protein (Pro10-Ser154) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Pro10-Ser154
Description	Enables fibroblast growth factor receptor binding activity. Involved in several processes, including angiogenesis involved in coronary vascular morphogenesis; paracrine signaling; and positive regulation of cell population proliferation. Acts upstream of or within fibroblast growth factor receptor signaling pathway. Located in cytoplasm; extracellular space; and nucleus. Used to study pulmonary hypertension. Biomarker of bladder disease; decubitus ulcer; diabetic retinopathy; hypertension; and retinal vein occlusion. 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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.0 kDa Accurate Molecular Mass: 20/23 kDa
Purity	> 95%

 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

Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

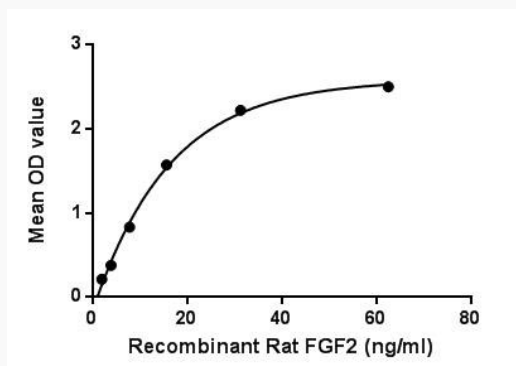
Gene Name	Fgf2 fibroblast growth factor 2 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Fgf2
Synonyms	FGF2; fibroblast growth factor 2; HBGF-2; basic fibroblast growth factor; heparin-binding growth factor 2; bFGF; Fgf-2;
Gene ID	54250
mRNA Refseq	NM_019305
Protein Refseq	NP_062178
UniProt ID	P13109

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

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

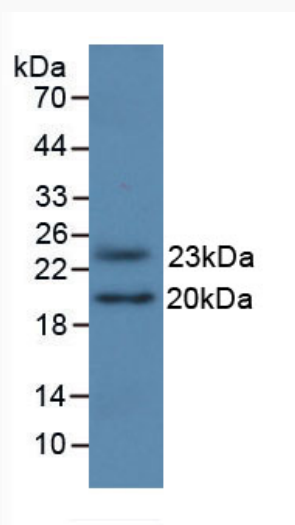
 45-1 Ramsey Road, Shirley, NY 11967, USA

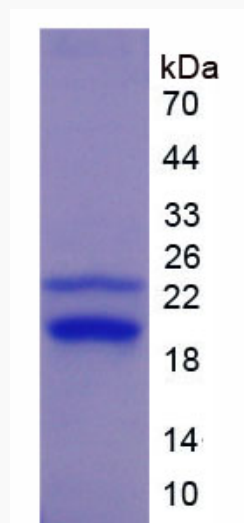
Bioactivity



The binding activity of FGF2 with CASP1.

WB





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