

## Recombinant Rat Fgf1 protein

**Cat. No.** Fgf1-257R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Fgf1 was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>Description</b>	aFGF, also known as FGF1 and HBGF-1, is a member of the fibroblast growth factor family. The biological activity of aFGF protein is exerted through binding to four high affinity cell surface receptors (FGFR1–4), which results in receptor dimerization and transphosphorylation in the tyrosine kinase domain. aFGF protein shows a wide range of endocrine-like activities. As a multiple function growth factor, this protein is involved in embryo development and tissue repair. Additionally, this protein is considered to function in several important physiological and pathological processes, such as embryonic development, morphogenesis, angiogenesis, wound healing and atheromatosis, carcinogenesis, development, and invasion of cancer.
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Store at -70 centigrade. Avoid repeated freeze/thaw cycles.

### GENE INFORMATION

<b>Gene Name</b>	<i>Fgf1</i> fibroblast growth factor 1 [ <i>Rattus norvegicus</i> ]
------------------	---

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Official Symbol</b>	<a href="#">Fgf1</a>
<b>Synonyms</b>	FGF1; fibroblast growth factor 1; aFGF; acidic fibroblast growth factor; heparin-binding growth factor 1; Fibroblast growth factor 1 (heparin binding); FGF-1; HBGF1; HBGF-1;
<b>Gene ID</b>	<a href="#">25317</a>
<b>mRNA Refseq</b>	<a href="#">NM_012846</a>
<b>Protein Refseq</b>	<a href="#">NP_036978</a>
<b>UniProt ID</b>	<a href="#">P61149</a>
<b>Chromosome Location</b>	18p11
<b>Pathway</b>	Downstream signaling of activated FGFR, organism-specific biosystem; FGFR ligand binding and activation, organism-specific biosystem; FGFR1 ligand binding and activation, organism-specific biosystem; FGFR1b ligand binding and activation, organism-specific biosystem; FGFR1c ligand binding and activation, organism-specific biosystem; FGFR2 ligand binding and activation, organism-specific biosystem; FGFR2b ligand binding and activation, organism-specific biosystem;
<b>Function</b>	S100 alpha binding; S100 alpha binding; fibroblast growth factor receptor binding; fibroblast growth factor receptor binding; growth factor activity; growth factor activity; heparin binding; heparin binding;

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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