# Recombinant Rat Fgf1 Protein (Phe16-Asp155)

**Cat. No.** Fgf1-6840R **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant rat FGF1 (Phe16-Asp155) without tag was expressed in E. coli. |
| **Species** | Rat |
| **Source** | E.coli |
| **ProteinLength** | Phe16-Asp155 |
| **Description** | Predicted to enable several functions, including Hsp70 protein binding activity; S100 protein binding activity; and signaling receptor binding activity. Acts upstream of or within several processes, including organ induction; positive regulation of epithelial cell proliferation; and positive regulation of nitrogen compound metabolic process. Located in extracellular matrix and extracellular space. Is expressed in several structures, including alimentary system; genitourinary system; nervous system; respiratory system; and sensory organ. Human ortholog (s) of this gene implicated in brain ischemia; cleft lip; myocardial infarction; schizophrenia; and urinary bladder cancer. Orthologous to human FGF1 (fibroblast growth factor 1). |
| **Form** | Lyophilized powder/frozen liquid |
| **Molecular Mass** | 15.4 kDa |
| **Purity** | > 90 % as determined by SDS-PAGE |
| **Notes** | For research use only. |

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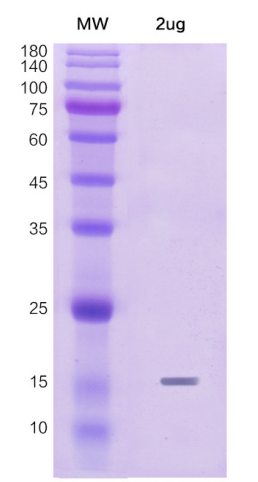
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|---|---|
| **Storage** | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt. |
| **Storage Buffer** | Supplied as solution form in PBS or lyophilized from PBS. |
| **Reconstitution** | Reconstitute in sterile water for a stock solution. |
| **Shipping** | They are shipped out with dry ice/blue ice unless customers require otherwise. |

## GENE INFORMATION

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| **Gene Name** | Fgf1 fibroblast growth factor 1 [ Mus musculus (house mouse) ] |
| **Official Symbol** | Fgf1 |
| **Synonyms** | FGF1; fibroblast growth factor 1; aFGF; HBGF-1; acidic fibroblast growth factor; heparin-binding growth factor 1; fibroblast growth factor 1 (acidic); Fam; Fgfa; Dffrx; Fgf-1; |
| **Gene ID** | 14164 |
| **mRNA Refseq** | NM_010197 |
| **Protein Refseq** | NP_034327 |
| **UniProt ID** | P61148 |

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**SDS-PAGE**



SDS-PAGE Image

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