Bioactive

# Fgf2 (Rat) Recombinant Protein

Catalog # P5037 Size 50 ug

## Specification

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|---|---|
| **Product Description** | Rat Fgf2 (P13109, 10 a.a. - 154 a.a.) partial recombinant protein expressed in *Escherichia coli*. |
| **Sequence** | PALPEDGGGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVREKSDPHVKLQLQAEERGVVSI KGVCANRYLAMKEDGRLLASKCVTEECFFFERLESNNYNTYRSRKYSSWYVALKRTGQYKLGSK TGPGQKAILFLPMSAKS |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 16 |
| **Form** | Lyophilized |
| **Preparation Method** | *Escherichia coli* expression system |
| **Purification** | Ion exchange column and HPLC reverse phase column |
| **Purity** | > 90% by SDS-PAGE and HPLC |
| **Endotoxin Level** | Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less th an 0.1 ng/ug (1EU/ug). |
| **Activity** | The ED(50) determined by dose-dependent stimulation of thymidine uptake by 3T3 cells expressing FGF receptors, was ofund to be < 1 ng/mL. |
| **Storage Buffer** | Lyophilized from PBS, pH 7.5 |
| **Storage Instruction** | Store at -20°C on dry atmosphere for 2 years.<br>After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Functional Study

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- SDS-PAGE

## Gene Info — Fgf2

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|---|---|
| **Entrez GeneID** | 54250 |
| **Protein Accession#** | P13109 |
| **Gene Name** | Fgf2 |
| **Gene Alias** | Fgf-2, bFGF |
| **Gene Description** | fibroblast growth factor 2 |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | basic fibroblast growth factor |

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