

Bioactive

Fgf2 (Rat) Recombinant Protein

Catalog # P8599

Size 50 ug

Specification

Product Description	Rat Fgf2 recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MPALPEDGGGAFPPGHFKDPKRLYCKNGGFFLRHPDGRVDGVREKSDPHVKLQLQAEERGTV SIKGVCANRYLAMKEDGRLLASKCVTEECFFFERLESNNYNTYRSRKYSSWYVALKRTGQYKLGS KTGPGQKAILFLPMSAKS
Host	Escherichia coli
Theoretical MW (kDa)	16.4
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	chromatography
Purity	> 95% as determined by SDS-PAGE.
Activity	ED ₅₀ is 0.903 ng/mL, measured by the dose-dependant proliferation of NR6R-3T3 cells, corresponding to a Specific Activity of 1.1 x 10 ⁷ Units/mg.
Storage Buffer	Protein(1 mg/mL) was lyophilized from a solution containing 5mM Na ₂ PO ₄ , pH7.5, 50mM NaCl. Reconstitute the lyophilized powder in ddH ₂ O to 101 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — Fgf2

Entrez GeneID	54250
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Protein Accession#	A0A7U3JW58
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Gene Name	Fgf2
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Gene Alias	Fgf-2, bFGF
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Gene Description	fibroblast growth factor 2
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Gene Ontology	Hyperlink
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Other Designations	basic fibroblast growth factor
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