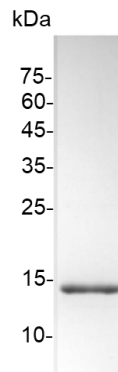


**Recombinant human FGF-2/ basic FGF Protein**

v. 241101

<b>Catalog number</b>	C01199-5UG / C01199-20UG / C01199-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	<p>FGF2, also known as a basic fibroblast growth factor (bFGF) and FGF-β, is a growth factor and signaling protein encoded by the FGF2 gene. FGF2 has been shown in preliminary animal studies to protect the heart from injury associated with a heart attack, reducing tissue death and promoting improved function after reperfusion. FGF-2 (bFGF) are also involved in a variety of biological processes, including embryonic development, morphogenesis, tissue repair, tumor growth, and invasion. Additionally, FGF-2 (bFGF) is frequently used for a critical component of cell culture medium, e.g., human embryonic stem cell culture medium, serum-free culture systems.</p>
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	ALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRHPDGRVDGVRKSDPHIKLQ LQAEERGVVSIKGVCANRYLAMKEDGRLLASKCVTDECFFFERLESNNYNTYR SRKYTSWYVALKRTGQYKLGSKTGGPGQKAILFLPMSAKS
<b>Affinity Tag</b>	Tag Free
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce 3T3 cells proliferation. The ED <sub>50</sub> for this effect is <1 ng/mL. The specific activity of recombinant human FGF-2 is approximately >5 x 10 <sup>5</sup> IU/mg.
<b>Purity</b>	>98% as determined by SDS-PAGE.
<b>Form</b>	Lyophilized
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution contain 20 mM Tris, 1 M NaCl, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Stability &amp; Storage</b>	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> <li>-20°C for 12 months in lyophilized state from date of receipt.</li> <li>-20°C or -80°C for 1 month under sterile conditions after reconstitution.</li> </ul> <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human FGF-2

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*For research use only.*