

## PRODUCT INFORMATION

**FGF-2 (Fibroblast growth factor-2), Swine**

<b>Catalog number</b>	C03016-5UG / C03016-20UG / C03016-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	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.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	AAGSITLPLALPEDGGSGAFPPGHFKDKRLYCKNGGFFLRHPDGRVDGVRE KSDPHIKLQLQAEERGVVSIKGVCANRYLAMKEDGRLLASKCVTDECFFFERLE SNNYNTYRSRKYSSWYVALKRTGQYKLGPKTGPGQKAILFLPMSAKS with polyhistidine tag at the N-terminus
<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 proliferation in 3T3 cells. The ED <sub>50</sub> for this effect is <2 ng/mL.
<b>Purity</b>	>98% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 0.01% sarkosyl in 1X PBS, 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 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within two weeks after protein reconstitution.



SDS-PAGE analysis of recombinant swine FGF-2

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