

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

v. 231101

Catalog number	C03016-5UG / C03016-20UG / C03016-100UG
Package	5 µg / 20 µg / 100 µg
Description	<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>
Source	<i>Escherichia coli</i>
Sequence	<p>AAGSITTLPALPEDGGSGAFPPGHFKDPKRLYCKNGGFFLRIHPDGRVDGVRE KSDPHIKLQLQAEERGVSIGVCANRYLAMKEDGRLLASKCVTDECEFFERLE SNNYNTYRSRKYSSWYVALKRTGQYKLGPKTGPGQKAILFLPMSAKS with polyhistidine tag at the N-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce proliferation in 3T3 cells. The ED ₅₀ for this effect is <2 ng/mL.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS containing 0.01% sarkosyl, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ 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.
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months in lyophilized state from date of receipt. -20°C or -80°C for two weeks under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant swine FGF-2

For research use only.