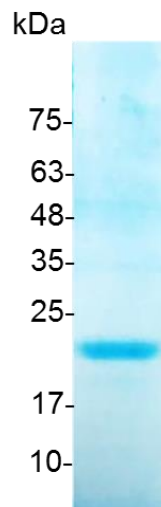


FGF-4 (Fibroblast growth factor-4), Human

v. 231001

Catalog number	C01094-5UG / C01094-20UG / C01094-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>FGF-4 encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities and are involved in a variety of biological processes including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth, and invasion. FGF-4 is mitogenic for fibroblasts and endothelial cells in vitro and has autocrine transforming potential. It is a potent angiogenesis promoter in vivo and has been investigated as a therapy for coronary artery disease.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>MGRGGAAAPTAPNGTLEAELERRWESLVALSLARLPVAAQPKEAAVQSGAGD YLLGIKRLRRLYCNVGIGFHLQALPDGRIGGAHADTRDSLLELSPVERGVVSIFG VASRFFVAMSSKGLYGSPPFTDECTFKEILLPNNYNAYESYKYPGMFIALSKN GKTKKGNRVSPMTMKVTHFLPRL with polyhistidine tag at the C-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to induce 3T3 cells proliferation. The ED ₅₀ for this effect is <2.5 ng/mL. The specific activity of recombinant human FGF-4 is > 4 x 10 ⁵ IU/mg.
Purity	>95% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS containing 0.01% sarkosyl, pH 8.0.
Reconstitution	<p>It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.</p>
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 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human FGF-4

For research use only.