

FGF-1 (Fibroblast growth factor-acidic), Human

v. 231001

Catalog number	C01091-5UG / C01091-20UG / C01091-100UG
Package	5 µg / 20 µg / 100 µg
Description	FGF1, also known as an acidic fibroblast growth factor (aFGF), is a growth factor and signaling protein encoded by the FGF1 gene. FGF1 has used in studies on angiogenesis and mitogenesis of fibroblasts; tyrosine phosphorylation studies; neurite outgrowth studies in PC-12 cells, and receptor binding studies.
Source	<i>Escherichia coli</i>
Sequence	MFNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVG EVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKKHAEKN WVGLKKNNGSCKRGPRTYHGQKAILFLPLVSSD with polyhistidine tag at the C-terminus
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 <0.3 ng/mL. The specific activity of recombinant human FGF-1 is > 1 x 10 ⁶ IU/mg.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
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	This product is stable after storage at: <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. Avoid repeated freeze/thaw cycles.



SDS-PAGE analysis of recombinant human FGF-1

For research use only.