Active Recombinant Human FGF1 Protein (Carry Free-Ready-To-Use, 140 amino acid)

Cat. No. FGF1-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF1 Protein (Carry Free-Ready-To-Use) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	140 amino acid
Description	The protein 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. This protein functions as a modifier of endothelial cell migration and proliferation, as well as an angiogenic factor. It acts as a mitogen for a variety of mesoderm- and neuroectoderm-derived cells in vitro, thus is thought to be involved in organogenesis. Multiple alternatively spliced variants encoding different isoforms have been described.
Bio-activity	ED50 < 0.1 ng/mL as determined by its ability to the dose dependent proliferation of mouse Balb/c 3T3 cells.
Molecular Mass	15.8 kDa

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AA Sequence	FNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVYIK STETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKKHAEKNWFVGLKK NGSCKRGPRTHYGQKAILFLPLPVSSD
Endotoxin	< 1.0 EU/μg of protein as determined by the LAL assay
Purity	> 98% by SDS-PAGE
Storage	It is stable for up to 6 months from date of receipt when stored at -80 centigrade. Multiple freeze/thaw cycles should be avoided as it can result in significant loss of activity.
Storage Buffer	Sterile filtered through a 0.2 micron filter in 1xPBS, 1.5 M NaCl.
Shipping	This product is shipped on dry ice.

GENE INFORMATION

Gene Name	FGF1 fibroblast growth factor 1 [Homo sapiens (human)]
Official Symbol	FGF1
Synonyms	FGF1; fibroblast growth factor 1; AFGF; ECGF; FGFA; ECGFA; ECGFB; FGF-1; HBGF1; HBGF-1; GLIO703; ECGF-beta; FGF-alpha; fibroblast growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, alpha; endothelial cell growth factor, beta; fibroblast growth factor 1 (acidic); heparin-binding growth factor 1
Gene ID	2246
mRNA Refseq	NM_000800

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Protein Refseq	NP_000791
MIM	131220
UniProt ID	P05230

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