

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

Cat. No. FGF1-11H Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Human FGF1 Protein (Carrier-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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|--|
| AA Sequence | FNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEVYIK STETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKKHAEKNWVGLKK 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, 1.0 %BSA. |
| 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

SDS-PAGE



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