

# Recombinant Human FGF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** FGF1-5231H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

FGF1 MS Standard C13 and N15-labeled recombinant protein (NP\_001138364) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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.

### Molecular Mass

17.5 kDa

### AA Sequence

MAEGEITFTALTEKFNLPNGYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHI  
 QLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYIS  
 KKHAEKNWFVGLKKNKNGSCKRGRPTHYQKAILFLPLPVSSDTRTRPLEQKLISEEDL  
 AANDILDYKDDDDKV

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<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	FGF1 fibroblast growth factor 1 [ Homo sapiens (human) ]
<b>Official Symbol</b>	FGF1
<b>Synonyms</b>	FGF1; fibroblast growth factor 1 (acidic); FGFA; fibroblast growth factor 1; AFGF; ECGF; ECGF beta; ECGFA; ECGFB; endothelial cell growth factor; alpha; beta; FGF alpha; GLIO703; HBGF1; heparin binding growth factor 1; heparin-binding growth factor 1; beta-endothelial cell growth factor; endothelial cell growth factor, beta; endothelial cell growth factor, alpha; FGF-1; HBGF-1; ECGF-beta; FGF-alpha;
<b>Gene ID</b>	2246
<b>mRNA Refseq</b>	NM_001144892
<b>Protein Refseq</b>	NP_001138364
<b>MIM</b>	131220

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UniProt ID

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