

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	MAEGEITTF TALTEKFNLP PGNYKKPKLLYCSNGGHFLRILPDGTV DGTDRDRSDQHI QLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYIS KKHAEKNWFVGLKKN GSCKRGPRTHYGQKAILFLPLPVSSDTRTRPLEQKLISEEDL AANDILDYKDDDDKV

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

GENE INFORMATION

Gene Name	FGF1 fibroblast growth factor 1 [Homo sapiens (human)]
Official Symbol	FGF1
Synonyms	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;
Gene ID	2246
mRNA Refseq	NM_001144892
Protein Refseq	NP_001138364
MIM	131220

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UniProt ID

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