

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

Cat. No. FGF1-828H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

FGF1 MS Standard C13 and N15-labeled recombinant protein (NP_001138407) 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

MAEGEITTFALTEKFNLPNGYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHI
 QLQLSAESVGEVYIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYIS
 KKHAEKNWFVGLKKNKNGSCKRGRPRTHYGQKAILFLPLPVSSDTRTRPLEQKLISEEDL
 AANDILDYKDDDDKV

 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

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_001144935
Protein Refseq	NP_001138407
MIM	131220

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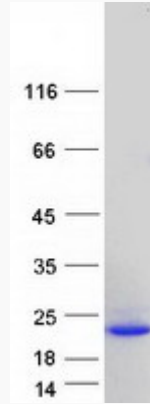
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UniProt ID

P05230

SDS-PAGE



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