

Recombinant Human FGF1 Protein

Cat. No. FGF1-038H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human FGF1 protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	822
Description	<p>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.</p>
Form	Solution
Molecular Mass	15 kDa
AA Sequence	<p>MWSWKCLLFWAVLVTATLCTARPSPTLPEQAQPWGAPVEVESFLVHPGDLLQLRC RLRDDVQSINWLRDGVQLAESNRTRITGEEVEVQDSVPADSGLYACVTSSPSGSDT TYFSVNVSDALPSEDDDDDDSSSEEKETDNTKPNRMPVAPYWTSPEKMEKKLH</p>

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

AVPAAKTVKFKCPSSGTPNPTLRWLKNGKEFKPDHRIGGYKVRyatWSIIMDSVPS
 DKGNYTCIVENEYGSINHTYQLDVVERSPHRPILQAGLPANKTVALGSNVEFMCKVY
 SDPQPHIQWLKHIEVNGSKIGPDNLPYVQILKTAGVNTT DKEMEVLHLRNVSFEDAG
 EYTCLAGNSIGLSHHSAWLTVLEALEERPAVMTSPLYLEIIIIYCTGAFLISCMVGSVIVY
 KMKSGTKKSDFHSMQMAVHKLAKSIPLRRQVTVSADSSASMNSGVLLVRPSRLSSSG
 TPMLAGVSEYELPEDPRWELPRDRLVLGKPLGEGCFGQVVLAEAIGLDKDKPNRVT
 KVAVKMLKSDATEKDLSDLISEMEMMKMIGKHKNIIINLLGACTQDGPLYVIVEYASKG
 NLREYLQARRPPGLECYNPSHNPEEQSSKDLVSCAYQVARGMEYLASKKCIHRD
 LAARNVLVTEDNVMKIADFGLARDIHHIDYYKTTNGRLPVKWMapeALFDRIYTHQS
 DVWSFGVLLWEIFTLGGSPYPGVPVEELFKLLKEGHRMDKPSNCTNELYMMMRDC
 WHAVPSQRPTFKQLVEDLDRIVALTSNQEYLDLSMPLDQYSPSPDTRSSTCSSGE
 DSVFSHEPLPEEPCLPRHPAQLANGGLKRR

Purity > 90%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Concentration 1 mg/mL

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Solution for appropriate storage temperature

GENE INFORMATION

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Gene Name	FGF1 fibroblast growth factor 1 (acidic) [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_000800
Protein Refseq	NP_000791
MIM	131220
UniProt ID	P05230

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