

Recombinant Human FGF1 Protein

Cat. No. FGF1-81H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF1 Protein without tag was expressed in E. coli.
Species	Human
Source	E.coli
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	16 kDa
AA Sequence	MGFNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTRDRSDQHIQLQLSAESVGEV YIKSTETGQYLAMDTDGLLYGSQTPNEECLFLERLEENHYNTYISKKHAEKNWVGL KKN GSCKRGPRTHYGQKAILFLPLPVSSD
Purity	> 95% by SDS-PAGE
Applications	Optimal concentration for the desired application should be determined by the user.

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

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

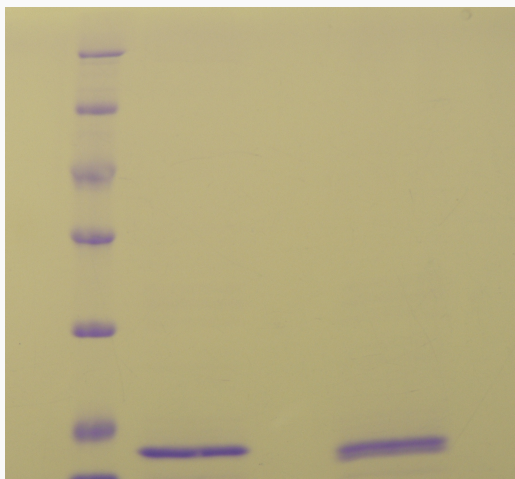
 45-1 Ramsey Road, Shirley, NY 11967, USA

Quality Control Test	Verified by disulfide mapping and Mass Spectrometry analysis.
Storage	Avoid repeated freeze-thaw cycles. 12 months at -20 centigrade.
Storage Buffer	1 M ammonium formate buffer at pH 6.0, sterile filtered through a 0.2 micron filter
GENE INFORMATION	
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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SDS-PAGE

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