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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

FGF1 (Human) Recombinant Protein

Catalog Number: P8135

Regulation Status: For research use only (RUO)

Product Description: Human FGF1 recombinant protein expressed in *Escherichia coli*.

Sequence:

MFNLPPGNYKKPKLLYCSNGGHFLRILPDGTVDGTDRD
RSDQHIQLQLSAESVGEVYIKSTETGQYLAMDTDGLLY
GSQTPNEECLFLERLEENHYNTYISKKHAEKNWVGL
KKNGSCKRGPRTHYGQKAILFLPLPVSSD

Host: *Escherichia coli*

Theoretical MW (kDa): 15.8

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product
page for detailed protocols

Form: Lyophilized

Preparation Method: *Escherichia coli* expression
system

Purification: Chromatography

Purity: > 95% as determined by (a) Analysis by RP-
HPLC.(b) Analysis by SDS-PAGE.

Activity: ED₅₀ > 2,000,000IU/mg, measured by
proliferation of mouse BALB/c 3T3 cells is < 0.5 ng/mL.

Storage Buffer: Lyophilized from a solution containing 1
mg/mL PBS, pH 7.4. Reconstitute the lyophilized powder
in ddH₂O to 0.1 - 0.25 mg/mL.

Storage Instruction: Lyophilized protein at room
temperature for 3 weeks, should be stored at -20°C.
Protein aliquots at 4°C for 2-7 days and should be stored
at -20°C to -80°C.
Avoid repeated freeze/thaw cycles.

Entrez GeneID: 2246

Gene Symbol: FGF1

Gene Alias: AFGF, ECGF, ECGF-beta, ECGFA,
ECGFB, FGF-alpha, FGFA, GLIO703, HBGF1

Gene Summary: 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. [provided by RefSeq]