

Recombinant Active Human FGF3 Protein, His-tagged(C-ter)

Cat. No. FGF3-84H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Active Human FGF3 Protein with His tag (C-ter) 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 gene was identified by its similarity with mouse fgf3/int-2, a proto-oncogene activated in virally induced mammary tumors in the mouse. Frequent amplification of this gene has been found in human tumors, which may be important for neoplastic transformation and tumor progression. Studies of the similar genes in mouse and chicken suggested the role in inner ear formation. [provided by RefSeq, Jul 2008]
Form	Powder
Bio-activity	Determined by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 78 ng/mL.
AA Sequence	MDAGGRGGVYEHLLGGAPRRRKLYCATKYHLQLHPSGRVNGSLENSAYSILEITAVE VGIVAIRGLFSGRYLAMNKRGRLYASEHYSACEFVERIHELGYNTYASRLYRTVSS TPGARRQPSAERLWYVSVNGKGRPRRGFKTRRTQKSSLFLPRVLDHRDHEMVRQL

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	QSGLP RPPGKGVQPRRRR
Endotoxin	Endotoxin level is less than 0.1 EU/μg of the protein, as determined by the LAL test.
Purity	> 95% (by SDS-PAGE)
Applications	SDS-PAGE
Notes	For laboratory research only, not for drug, diagnostic or other use.
Storage	Lyophilized protein should be stored at -20°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Storage Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.

GENE INFORMATION

Gene Name	FGF3 fibroblast growth factor 3 [Homo sapiens]
Official Symbol	FGF3
Synonyms	FGF3; fibroblast growth factor 3; fibroblast growth factor 3 (murine mammary tumor virus integration site (v int 2) oncogene homolog) , INT2; HBGF 3; INT 2 proto oncogene protein; murine mammary tumor virus integration site 2; mouse; oncogene INT2; V INT2 murine mammary tumor virus integration site oncogene homolog; FGF-

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3; proto-oncogene Int-2; INT-2 proto-oncogene protein; heparin-binding growth factor 3; murine mammary tumor virus integration site 2, mouse; V-INT2 murine mammary tumor virus integration site oncogene homolog; fibroblast growth factor 3 (murine mammary tumor virus integration site (v-int-2) oncogene homolog); INT2; HBGF-3;

Gene ID [2248](#)

mRNA Refseq [NM_005247](#)

Protein Refseq [NP_005238](#)

MIM [164950](#)

UniProt ID [P11487](#)

SDS-PAGE



Human FGF3
recombinant protein

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