

Recombinant Human FGF3 protein, His-tagged

Cat. No. FGF3-8153H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF3 aa. (Tyr154~Ser232 (Accession# P11487)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Tyr154~Ser232
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 10.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 11.9.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

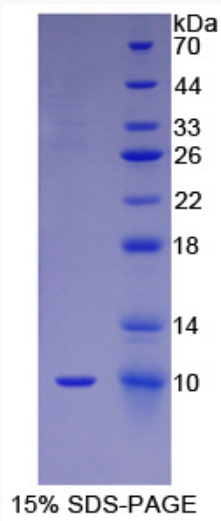
GENE INFORMATION

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

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Gene ID	2248
mRNA Refseq	NM_005247.2
Protein Refseq	NP_005238.1
UniProt ID	P11487
SDS-PAGE	 15% SDS-PAGE