

Active Recombinant Human FGF3 Protein

Cat. No. FGF3-037H Lot. No. (See product label)

SPECIFICATION

Product Overview	The mature recombinant human FGF-3 protein consists of 185 amino acids (28-212) without tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	28-212 a.a.
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.
Bio-activity	Measured in a cell proliferation assay using NR6R3T3 mouse fibroblast cells. The ED50 for this effect is 0.02-0.1 µg/mL in the presence of 1 µg/mL of heparin.
Molecular Mass	21 kDa
Product-Related	28-212

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Proteins	
Endotoxin	< 0.1 EU/μg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE
Storage	At -80 centigrade. Avoid repeated freeze-thaw cycles.
Storage Buffer	PBS
GENE INFORMATION	
Gene Name	FGF3 fibroblast growth factor 3 [Homo sapiens (human)]
Official Symbol	FGF3
Synonyms	FGF3; fibroblast growth factor 3; INT2; HBGF-3; fibroblast growth factor 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
Gene ID	2248
mRNA Refseq	NM_005247
Protein Refseq	NP_005238
MIM	164950

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UniProt ID

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