

Recombinant Human FGF3 Protein, His-tagged

Cat. No. FGF3-1493H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF3 Protein (Ala18-His239) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala18-His239
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: 28.7 kDa Accurate Molecular Mass: 33 kDa
Purity	> 90%

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Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH ₂ O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	FGF3 fibroblast growth factor 3 [Homo sapiens (human)]
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-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

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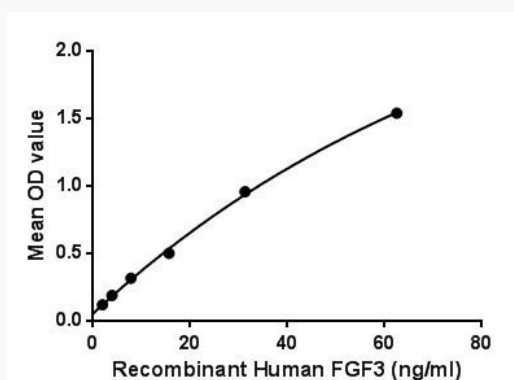
mRNA Refseq [NM_005247](#)

Protein Refseq [NP_005238](#)

MIM [164950](#)

UniProt ID [P11487](#)

Bioactivity



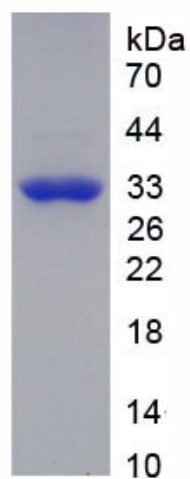
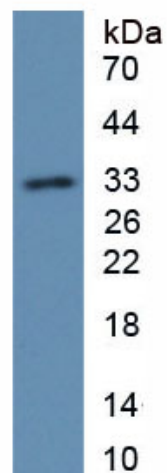
The binding activity of FGF3 with FGFR2.

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