Active Recombinant Human FGF3 Protein (Asp28-Arg212), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF3-95H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF3 Protein (Asp28-Arg212) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Asp28-Arg212
Description	Fibroblast Growth Factors-3 (FGF-3) also known as INT-2 proto-oncogene, is a 26.9 kDa member of the fibroblast Growth Factors with 239 amino acid residues. FGF-3 regulates embryonic development, cell proliferation and cell differentiation.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 78 ng/mL.
Molecular Mass	The protein has a calculated MW of 21.99 kDa. The protein migrates as 22 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.

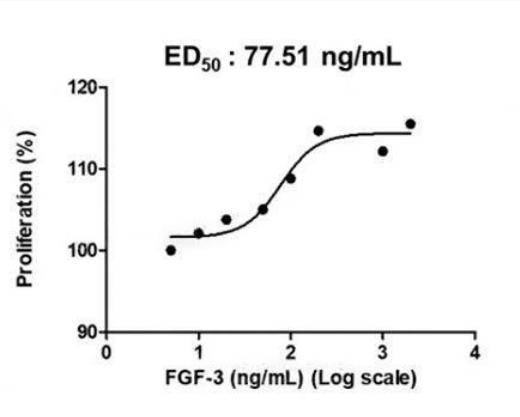
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45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 2 weeks under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

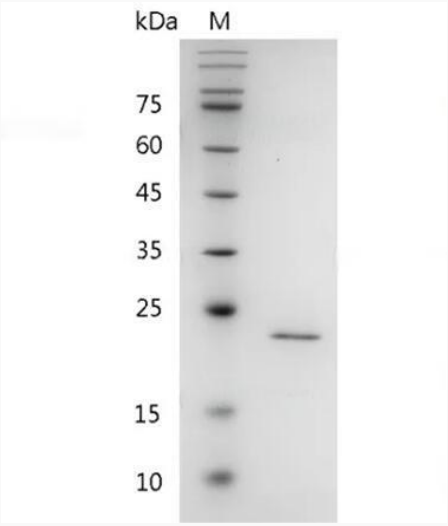
Gene Name	FGF3 fibroblast growth factor 3 [Homo sapiens (human)]
Official Symbol	FGF3
Synonyms	FGF3; fibroblast growth factor 3; fibroblast growth factor 3 (murine mammary tumor virus integration site (v int 2) oncogene homolog) , INT2; HBGF 3; INT 2 proto oncogene protein; murine mammary tumor virus 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
Activity	 Human FGF-3, His Tag, E. coli (LDG069PHE) induced 3T3 cell proliferation, with the ED50 at 77.51 ng/mL.

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SDS-PAGE analysis of recombinant human FGF-3.



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