

Active Recombinant Human FGF5 Protein (Ala18-Gly268), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF5-97H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF5 Protein (Ala18-Gly268) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Ala18-Gly268
Description	Fibroblast Growth Factors-5 (FGF-5) is a 29.6 kDa member of the fibroblast Growth Factors with 268 amino acid residues. FGF-5 have an important role in the regulation of cell proliferation and cell differentiation. In physiological function, FGF5 is a crucial regulator of hair growth in humans.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 0.7 ng/mL. The specific activity of recombinant human FGF-5 is > 1.4 × 10 ⁶ IU/mg
Molecular Mass	The protein has a calculated MW of 28.46 kDa. The protein migrates as 34 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Purity	>95% as determined by SDS-PAGE analysis.
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 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O 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	FGF5 fibroblast growth factor 5 [Homo sapiens (human)]
Official Symbol	FGF5
Synonyms	FGF5; fibroblast growth factor 5; heparin-binding growth factor 5; HBGF-5; Smag-82;
Gene ID	2250
mRNA Refseq	NM_004464
Protein Refseq	NP_004455
MIM	165190

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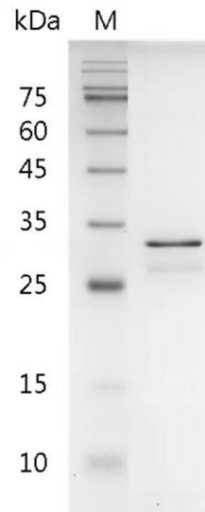
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UniProt ID

P12034

**SDS-PAGE analysis
of recombinant
human FGF-5.**



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