

Active Recombinant Human FGF10 Protein (Leu40-Ser208), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF10-102H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF10 Protein (Leu40-Ser208) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Leu40-Ser208
Description	Fibroblast Growth Factors-10 (FGF-10) is a 23.4 kDa member of the fibroblast Growth Factors with 208 amino acid residues. FGF-10 is mainly secreted from endometrial stromal cells, fibroblasts, peritubular cells, leydig cells, muller glia cells. FGF-10 a multifunctional mesenchymal-epithelial signaling Growth Factors, can regulate embryonic development, cell proliferation and cell differentiation. It has been associated with cancer and human genetic disorders.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 8 ng/mL. The specific activity of recombinant human FGF-10 is > 1.2 × 10 ⁵ IU/mg.
Molecular Mass	The protein has a calculated MW of 20.06 kDa. The protein migrates as 19 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% 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 7.4.
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	FGF10 fibroblast growth factor 10 [Homo sapiens (human)]
Official Symbol	FGF10
Synonyms	FGF10; fibroblast growth factor 10; FGF-10; keratinocyte growth factor 2; produced by fibroblasts of urinary bladder lamina propria;
Gene ID	2255
mRNA Refseq	NM_004465

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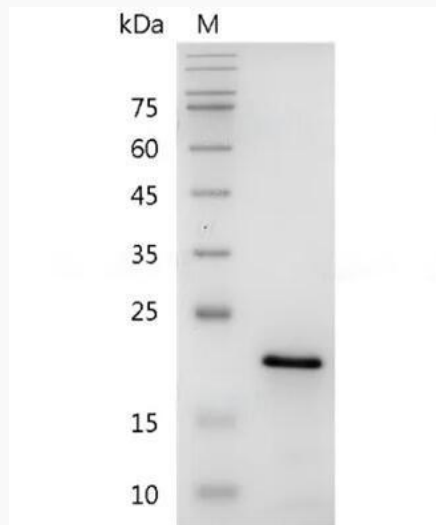
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Protein Refseq NP_004456

MIM 602115

UniProt ID O15520

**SDS-PAGE analysis
of recombinant
human FGF-10.**



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