Active Recombinant Human FGF8 Protein (Gln52-Arg223), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF8-99H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF8 Protein (Gln52-Arg223) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Gln52-Arg223
Description	Fibroblast Growth Factors-8a (FGF-8a) is a 23.5 kDa member of the fibroblast Growth Factors with 204 amino acid residues. FGF-8 is an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. In embryogenesis function, FGF8 is necessary in limb, brain, eye and ear formation.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 2 μg/mL.
Molecular Mass	The protein has a calculated MW of 22.14 kDa. The protein migrates as 23 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

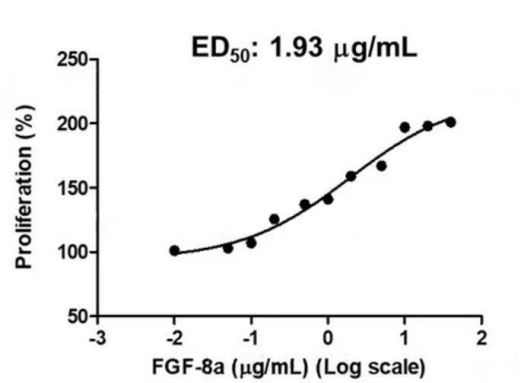
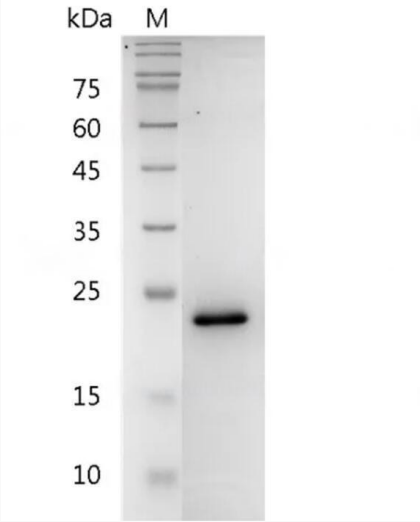
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Purity	>98% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
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	FGF8 fibroblast growth factor 8 (androgen-induced) [Homo sapiens (human)]
Official Symbol	FGF8
Synonyms	FGF8; fibroblast growth factor 8 (androgen-induced); fibroblast growth factor 8; AIGF; androgen-induced growth factor; heparin-binding growth factor 8; KAL6; FGF-8; HBGF-8; MGC149376;
Gene ID	2253
mRNA Refseq	NM_001206389
Protein Refseq	NP_001193318

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MIM	600483
UniProt ID	P55075
Activity	 Human FGF-8a, His Tag, E. coli induced 3T3 cell proliferation, with the ED50 at 1.93 μg/mL.
SDS-PAGE analysis of recombinant human FGF-8a.	

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