

Active Recombinant Human FGF16 Protein (Met1-Arg207), C-His tagged, Animal-free, Carrier-free

Cat. No. FGF16-310H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGF16 Protein (Met1-Arg207) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Met1-Arg207
Description	Fibroblast Growth Factors-16 (FGF-16) is a 23.8 kDa member of the fibroblast Growth Factors with 207 amino acid residues. FGF-16 is mainly expressed from melanocytes, fibroblasts. FGF-16 involved embryonic development, cell proliferation and cell differentiation, and is required for normal cardiomyocyte proliferation and heart development.
Form	Lyophilized
Bio-activity	Measure by its ability to induce 3T3 cells proliferation. The ED50 for this effect is < 31 ng/mL. The specific activity of recombinant human FGF-16 is > 3 × 10 ⁴ IU/mg.
Molecular Mass	The protein has a calculated MW of 24.57 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

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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 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	FGF16 fibroblast growth factor 16 [Homo sapiens (human)]
Official Symbol	FGF16
Synonyms	FGF16; fibroblast growth factor 16; FGF-16;
Gene ID	8823
mRNA Refseq	NM_003868
Protein Refseq	NP_003859
MIM	300827

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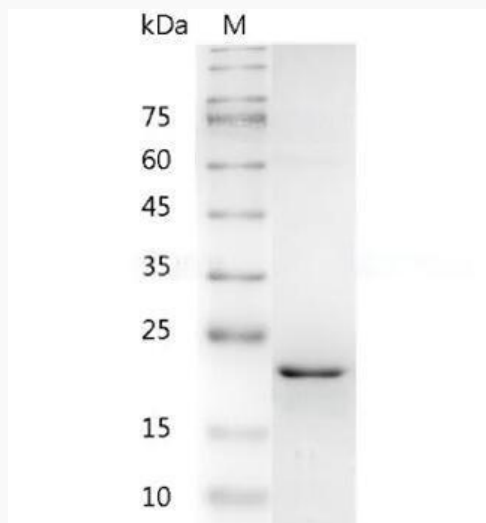
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UniProt ID

O43320

**SDS-PAGE analysis
of recombinant
human FGF-16.**



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