

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

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGF16 Protein (Met1-Arg207) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Arg207
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	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 <sup>4</sup> IU/mg.
<b>Molecular Mass</b>	The protein has a calculated MW of 24.57 kDa. The protein migrates as 24 kDa under reducing condition (SDS-PAGE analysis).
<b>Endotoxin</b>	< 0.1 EU/μg of the protein by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE analysis.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> 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.
<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

## GENE INFORMATION

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

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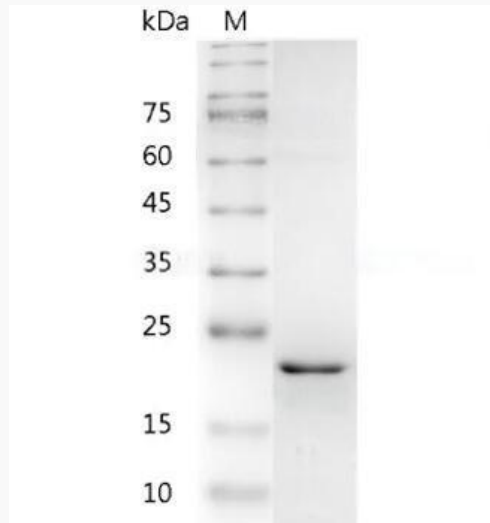
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UniProt ID

O43320

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



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