

## Active Recombinant Human FGF21 Protein, His-tagged

Cat. No. FGF21-287F    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human FGF21 Protein with a His tag was expressed in CHO.
<b>Species</b>	Human
<b>Source</b>	CHO
<b>Description</b>	FGF-21, also known as fibroblast growth factor-21 and FGFL, is a secreted growth factor belonging to the heparin-binding growth factor family. It is produced by hepatocytes in response to fatty acid stimulation. FGF-21 couples with its co-factor beta-Klotho to signal through FGFR1c and FGFR4. Signal transduction results in insulin-independent uptake of glucose by adipocytes. Clinical administration of FGF-21 induces energy expenditure, fat utilization and lipid excretion.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Bio-activity</b>	ED50 < 0.3 µg/mL, measured in a bioassay using NIH-3T3 cells.
<b>Molecular Mass</b>	23-25kDa, observed by reducing SDS-PAGE.
<b>AA Sequence</b>	HPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDDGTVGGAADQSPESELLQLK ALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG LPLHLPGNKSPHRDPAPRGPAPRFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVG PSQGRSPSYASHHHHHH
<b>Endotoxin</b>	< 0.2 EU/µg, determined by LAL method.

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<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Storage</b>	Lyophilized recombinant human FGF-21 remains stable up to 6 months at -80 centigrade from date of receipt. Upon reconstitution, human FGF-21, His should be stable up to 1 week at 4 centigrade or up to 2 months at -20 centigrade.
<b>Storage Buffer</b>	Lyophilized after extensive dialysis against PBS.
<b>Reconstitution</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 µg/mL.

## GENE INFORMATION

<b>Gene Name</b>	FGF21 fibroblast growth factor 21 [ Homo sapiens ]
<b>Official Symbol</b>	FGF21
<b>Synonyms</b>	FGF21; fibroblast growth factor 21; FGF-21;
<b>Gene ID</b>	26291
<b>mRNA Refseq</b>	NM_019113
<b>Protein Refseq</b>	NP_061986
<b>MIM</b>	609436
<b>UniProt ID</b>	Q9NSA1

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