Active Recombinant Human FGF21 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human FGF21 Protein with a His tag was expressed in CHO.
Species	Human
Source	CHO
Description	FGF-21, also known as fibroblast growth factor-21 and FGFL, is a secreted growth factor belonging to theheparin-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.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Bio-activity	ED50< 0.3 μg/mL, measured in a bioassay using NIH-3T3 cells.
Molecular Mass	23-25kDa, observed by reducing SDS-PAGE.
AA Sequence	HPIPDSSPLLQFGGQVRQRYLYTDDAQQTEAHLEIREDGTVGGAADQSPESLLQLK ALKPGVIQILGVKTSRFLCQRPDGALYGSLHFDPEACSFRELLLEDGYNVYQSEAHG LPLHLPGNKSPHRDPAPRGPARFLPLPGLPPALPEPPGILAPQPPDVGSSDPLSMVG PSQGRSPSYASHHHHHH
Endotoxin	< 0.2 EU/μg, determined by LAL method.

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Purity	> 95% as analyzed by SDS-PAGE.
Storage	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.
Storage Buffer	Lyophilized after extensive dialysis against PBS.
Reconstitution	Reconstituted in ddH2O or PBS at 100 µg/mL.

GENE INFORMATION

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

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