

**DATASHEET**  
Version 20181206**FGF-21, His, Human****Cat. No.:** Z03207-50**Size:** 50.0 ug**Synonyms:** fibroblast growth factor-21, FGFL**Description:**

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.

**Amino Acid Sequence:**

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00001 HPIPDSSPLL QFGGQVRQRY LYTDDAQTE AHLEIREDTG
00041 VGGAADQSPE SLLQLKALKP GVIQILGVKT SRFLCQRPDG
00081 ALYGSLHFDPEACSFRELLLEDGYNVYQSE AHGLPLHLPG
00121 NKSPHRDPAP RGPAPFLPLP GLPPALPEPP GILAPQPPDV
00161 GSSDPLSMVG PSQGRSPSYA SHHHHHH
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**Source:** CHO**Species:** Human**Biological Activity:** ED<sub>50</sub> < 0.3 µg/ml, measured in a bioassay using NIH-3T3 cells.**Molecular Weight:** 23-25 kDa, observed by reducing SDS-PAGE.**Formulation:** Lyophilized after extensive dialysis against PBS.**Reconstitution:** Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/ml.**Purity:** > 95% as analyzed by SDS-PAGE.**Endotoxin Level:** < 0.2 EU/µg, determined by LAL method.**Storage:** Lyophilized recombinant human FGF-21 remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, human FGF-21, His should be stable up to 1 week at 4°C or up to 2 months at -20°C.