

## FGF-21, His, Human

**Cat. No.:** Z03207-10

**Size:** 10.0 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:

```
00001 HPIPDSSPLL QFGGQVRQRY LYTDDAQTE AHLEIREDTG
00041 VGGAADQSPE SLLQLKALKP GVIQILGVKT SRFLCQRPDG
00081 ALYGLHFDP EACSFRELL EDGYNVYQSE AHGLPLHLPG
00121 NKSPHRDPAP RGPAPFLPLP GLPPALPEPP GILAPQPPDV
00161 GSSDPLSMVG PSQQRSPSYA SHHHHHH
```

**Source:** CHO

**Species:** Human

**Biological Activity:** ED<sub>50</sub> < 0.3 µg/ml, measured in a bioassay using NIH-3T3 cells.

**Molecular Weight:** 23-25kDa, 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.