

PRODUCT DATA SHEET



Bioworld Technology, Inc.

Recombinant FGF-21, His, Human

Catalog Number: BK0200-50µg

Source: CHO

Quantity: 50µg

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.

Molecular Weight:

23-25kDa, observed by reducing SDS-PAGE.

Purity:

> 95% as analyzed by SDS-PAGE.

Biological Activity:

ED50 < 0.3µg/ml, measured in a bioassay using NIH-3T3 cells.

Physical Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Lyophilized after extensive dialysis against PBS.

AA Sequence:

HPIPDSSPLLQFGGQVRQRY-
LYTDDAQQTEAHLEIREDDGTVG-
GAADQSPELLQLKALKPGVI-
QILGVKTSRFLCQRPDGALYGSLHFDPEACSFRE
LLEDGYNVYQSEAHGLPLHLPGNKSPHRD-
PAPRGPAPFLPLPGLPPALPEPPGI-
LAPQPPDVGSSDPLSMVGPSQGRSPSYASH-
HHHHH

Endotoxin:

< 0.2 EU/µg, determined by LAL method.

Reconstitution:

Reconstituted in ddH₂O or PBS at 100 µg/ml.

Storage:

Lyophilized recombinant human FGF-21 remains stable up to 6 months at -80 °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.

Usage:

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