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FGF-21

Catalog # PVGS1429

Product Information

Primary Accession	Q9NSA1
Species	Human
Sequence	His29-Ser209
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	
Biological Activity	ED_{50}
Expression System	CHO
Formulation	Lyophilized after extensive dialysis against PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH_2O or PBS up to 100 □g/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Additional Information

Gene ID	26291
Other Names	Fibroblast growth factor 21, FGF-21, FGF21
Target Background	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.

Protein Information

Name	FGF21
Function	Stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression (but not SLC2A4/GLUT4

expression). Activity requires the presence of KLB. Regulates systemic glucose homeostasis and insulin sensitivity.

Cellular Location Secreted {ECO:0000250|UniProtKB:Q9JJN1}.