

Catalog No.: RP01715 **Recombinant**

Species	Gene ID	Swiss Prot
Mouse	56636	O9JIN1

C-6His

Fgf8c:FGF21

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
20.72 kDa	20-25 kDa

< 0.1 EU/μg of the protein by LAL method.

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Fibroblast growth factor 21 (FGF21), which stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression. FGF21 has been shown to protect animals from diet-induced obesity when overexpressed in transgenic mice. It also lowers blood glucose and triglyceride levels when administered to diabetic rodents, suggesting it may exhibit the therapeutic characteristics necessary for effective treatment of diabetes. Treatment of animals with FGF21 results in increased energy expenditure, fat utilisation and lipid excretion. FGF21 is most abundantly expressed in the liver, and also expressed in the thymus at lower levels.

Recombinant Mouse FGF-21 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Tyr30-Ser210) of mouse FGF-21 (Accession #NP_064397.1.) fused with and a 6×His tag at the C-terminus.

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

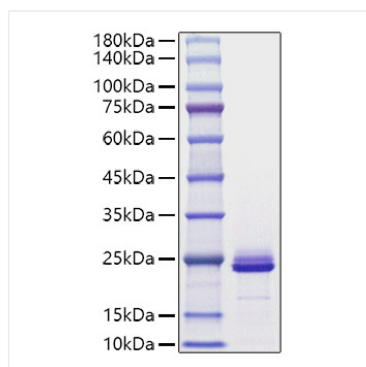
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Mouse FGF-21 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.