

For Research Use Only

# Recombinant Mouse FGF-21 protein (His Tag)



Catalog Number: Eg0259

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
His Tag

## Technical Specifications

**Purity:**  
>90 %, SDS-PAGE

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Mouse FGF-21 protein Ala29-Ser210 (Accession# Q9JJN1) with a His tag at the C-terminus.

**GeneID:**  
56636

**Accession:**  
Q9JJN1

**Predicted Molecular Mass:**  
23.7 kDa

**SDS-PAGE:**  
25-27 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**  
It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

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

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Fibroblast growth factor 21 (FGF21) is a peptide hormone that is expressed across several tissues, predominantly in liver and adipocyte tissues, and, to a lower extent, in the pancreas, skeletal muscle, heart, kidneys and testes. FGF21 plays a role in regulating adaptation to various metabolic abnormalities. In the liver, FGF21 plays an important role in the regulation of fatty acid oxidation both in the fasted state and in mice consuming a high-fat, low-carbohydrate ketogenic diet. FGF21 also regulates fatty acid metabolism in mice consuming a diet that promotes hepatic lipotoxicity.

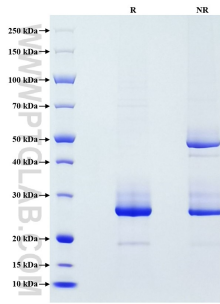
## References

1. Fisher FM, et al.(2016). Annu Rev Physiol. 78:223-41.
2. Strowski MZ, et al. (2017). Horm Mol Biol Clin Investig. 30(2).
3. Nishimura T, et al.(2000). Biochim Biophys Acta.1492(1):203-6.
4. Kharitonov A, et al. (2009). Curr Opin Investig Drugs.10(4):359-64.

## Synonyms

Fgf21, FGF-21, fibroblast growth factor 21

## Selected Validation Data



Purity of Recombinant Mouse FGF-21 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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