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# Recombinant mouse FGF-21 protein

Catalog Number: ATGP3897

#### **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

29-210aa

#### UniProt No.

Q9JJN1

#### **NCBI Accession No.**

NP 064397

### **Alternative Names**

FGF 21, FGF-21, Fgf21, FGF21 HUMAN, FGFL, Fibroblast growth factor 21, PRO10196, UNQ3115

# **PRODUCT SPECIFICATION**

## **Molecular Weight**

22.5 kDa (206aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

#### ıag

His-Tag

# **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### **BACKGROUND**

#### **Description**

FGF-21, also known as fibroblast growth factor 21, is a member of the fibroblast growth factor family. It has a hydrophobic amino terminus, which is a typical signal sequence, and appears to be a secreted protein. It stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression. Recombinant mouse FGF-21, fused to His-tag at N-terminus, was expressed in E.coli and purified by



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using conventional chromatography techniques.

# **Amino acid Sequence**

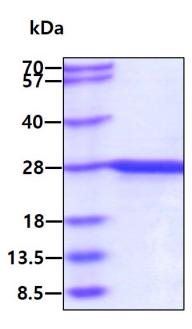
<MGSSHHHHHH SSGLVPRGSF MSGM>AYPIPD SSPLLQFGGQ VRQRYLYTDD DQDTEAHLEI REDGTVVGAA HRSPESLLEL KALKPGVIQI LGVKASRFLC QQPDGALYGS PHFDPEACSF RELLLEDGYN VYQSEAHGLP LRLPQKDSPN QDATSWGPVR FLPMPGLLHE PQDQAGFLPP EPPDVGSSDP LSMVEPLQGR SPSYAS

# **General References**

Kharitonenkov A., et al. (2005) J Clin Invest. 115:1627-1635. Yamauchi H., et al. (2006) EMBO Rep. 7:649-654.

### **DATA**

#### **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

