

# Recombinant mouse FGF-21 protein

Catalog Number: ATGP3300

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

29-210aa

### UniProt No.

Q9JJN1

### NCBI Accession No.

NP\_064397

### Alternative Names

Fibroblast growth factor 21

## PRODUCT SPECIFICATION

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### Molecular Weight

21kDa (190aa)

### Concentration

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

### Formulation

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

### Purity

> 90% by SDS-PAGE

### Endotoxin level

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

### Tag

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

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### Description

FGF21, 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 FGF21, fused to His-tag at C-terminus, was expressed in insect cell and purified

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by using conventional chromatography techniques.

## Amino acid Sequence

AYPIPDSSPL LQFGGQVRQR YLYTDDDQDT EAHLEIREDG TVVGAHRSP ESLLLELKALK PGVIQILGVK ASRFLCQQPD  
GALYGSPHFD PEACSFRELL LEDGYNVYQS EAHGLPLRLP QKDSPNQDAT SWGPVRFPLM PGLLHEPQDQ AGFLPPEPPD  
VGSSDPLSMV EPLQGRSPSY AS<LEHHHHHH>

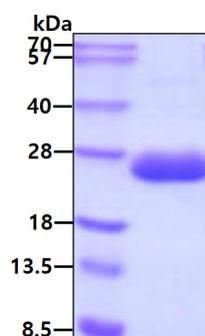
## General References

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

## DATA

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### SDS-PAGE



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