

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)

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

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 RELLEDGYN VYQSEAHGLP LRLPQKDSPN
QDATSWGPPVR FLPMPGLLHE PQDQAGFLPP EPPDVGSSDP LSMVEPLQGR SPSYAS

General References

Kharitonov 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.

