

FGF21, 29-210aa, Mouse, His tag, Insect cell

Cat.NO.: TP02121

3th Edition

Synonyms:Fibroblast growth factor 21

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 by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:21.0kDa (190aa), 18-28kDa (SDS-PAGE under reducing conditions)

Sequences:

AYPIPDSSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDGTVVGAHRSPESLLELKALKPGVVIQILGVKASRFLCQ
QPDGALYGSPHFDPEACSFRELLLEDGYNVYQSEAHGLPLRLPQKDSPNQDATSWGPVRFLPMPGLLHEPQDQA
GFLPPEPPDVGSSDPLSMVEPLQGRSPSYASLEHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.