

Product datasheet for MR202264

Fgf21 (NM_020013) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fgf21 (NM_020013) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fgf21
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR202264 representing NM_020013
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAATGGATGAGATCTAGAGTTGGGACCCTGGGACTGTGGGTCCGACTGCTGCTGGCTGTCTTCCTGC
 TGGGGTCTACCAAGCATACCCCATCCCTGACTCCAGCCCCCTCCAGTTTGGGGTCAAGTCCGGCA
 GAGGTACCTCTACACAGATGACGACCAAGACTGAAGCCACCTGGAGATCAGGGAGGATGGAACAGTG
 GTAGGCGCAGCACACCGCAGTCCAGAAAGTCTCCTGGAGCTCAAAGCCTGAAGCCAGGGTCATTCAA
 TCCTGGGTGTCAAAGCCTCTAGGTTCTTTGCCAACAGCCAGATGGAGCTCTATGGATCGCTCACTT
 TGATCCTGAGGCCTGCAGCTTCAGAGAAGTCTGCTGGAGGACGGTTACAATGTGTACCAGTCTGAAGCC
 CATGGCCTGCCCTGCGTCTGCCTCAGAAGGACTCCCCAAACCAGGATGCAACATCCTGGGGACCTGTGC
 GCTTCTGCCATGCCAGGCTGCTCCACGAGCCCAAGACCAAGCAGGATTCTGCCCCAGAGCCCCC
 AGATGTGGGCTCTCTGACCCCTGAGCATGGTAGAGCCTTTACAGGGCCGAAGCCAGCTATGCGTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202264 representing NM_020013
 Red=Cloning site Green=Tags(s)

MEWMRSRVGTLGLWVRLLLAVFLLGVYQAYPIPDSSPLLQFGGQVRQRYLYTDDDQDTEAHLEIREDGTV
 VGAAHRSPESLLELKALKPGVIQILGVKASRFLCQQPDGALYGSPHFDPEACSFRELLLEDGYNVYQSEA
 HGLPLRLPQKDSPNQDATSWGPVRFLLPMPGLLHEPQDQAGFLPPEPPDVGSSDPLSMVEPLQGRSPSYAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9005_d02.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020013

ORF Size: 630 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_020013.4](#), [NP_064397.1](#)

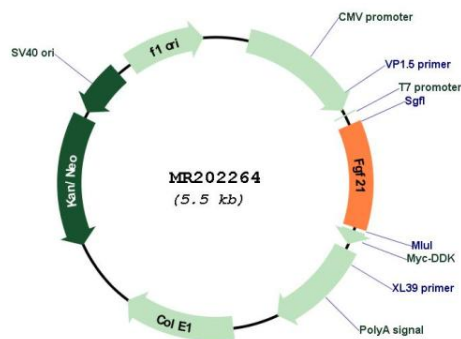
RefSeq Size: 947 bp

RefSeq ORF: 633 bp

Locus ID: 56636

UniProt ID: [Q9JJN1](#)

Cytogenetics: 7 B3
MW: 23.7 kDa
Gene Summary: Stimulates glucose uptake in differentiated adipocytes via the induction of glucose transporter SLC2A1/GLUT1 expression (but not SLC2A4/GLUT4 expression). Activity probably requires the presence of KLB.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR202264