

## Product datasheet for **MR224921**

### **Fgf22 (NM\_023304) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fgf22 (NM\_023304) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fgf22  
**Synonyms:** 2210414E06Rik; FGF-22  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR224921 representing NM\_023304  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCAGCCGCCTCTGGCTGGCCTAGCCTGGCTGCTGTTGGCGGGCACCGGGCGCTCCGGGAGGGT  
ACCCGCATCTGGAGGGCGACGTGCGCTGGCGCCGCCTCTCTCCTCCACTCACTTTTTCTGCGTGTGGA  
CCTTGGTGGTGGGTGCAGGGGACGCGTTGGCGGCACGGCCAGGACAGTATAGTGGAGATCCGTTCTGTC  
CGTGTGGGCACTGTGGTATCAAAGCTGTGTACTCAGGCTTCTATGTGGCCATGAATCGCAGGGGCCGCC  
TCTATGGGTCGGGGTCTACTCTGTGGACTGTAGGTTCCGGGAGCGCATCGAGGAGAACGGCTACAACAC  
ATACGCCCTCGCGACGTTGGAGGCACCGCGCCGACCCATGTTCTGGCACTTGACAGCCAAGGCATTCCC  
AGGCAAGGCAGACGGACACGACGGCACCAACTGTCCACACACTTCTGCCAGTCTTGGTCTCGTCT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224921 representing NM\_023304  
**Red=Cloning site Green=Tags(s)**

MRSRLWLGLAWLLLARAPGAPGGYPHLEGDVRRRLFSSTHFFLRVDLGGRRVQGTRWRHGGDSIVEIRSV  
RVGTVVIKAVYSGFYVAMNRRGRLYGSRVYSVDRCFRERIEENGYNTYASRRWRHRGRPMFLALDSQGIP  
RQGRTRRRHQLSTHFLPVLVSS

**SGP**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

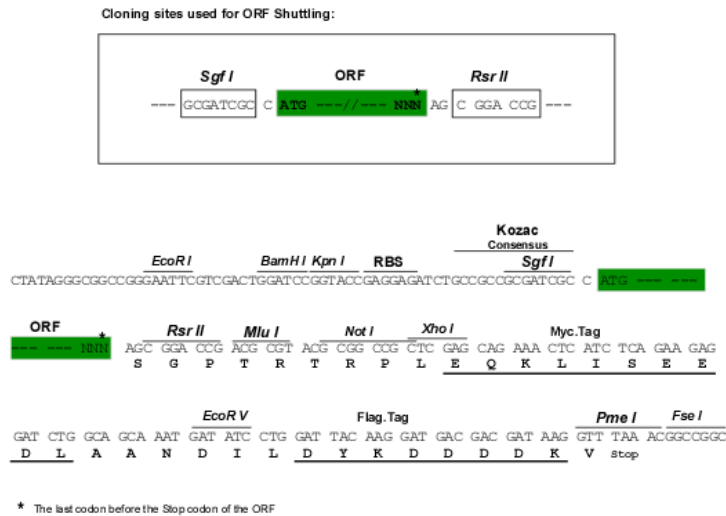
**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9007\\_g09.zip](https://cdn.origene.com/chromatograms/mm9007_g09.zip)



[View online »](#)

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM\_023304

ORF Size: 486 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\\_023304.2](#)

RefSeq Size: 489 bp

RefSeq ORF: 489 bp

Locus ID: 67112

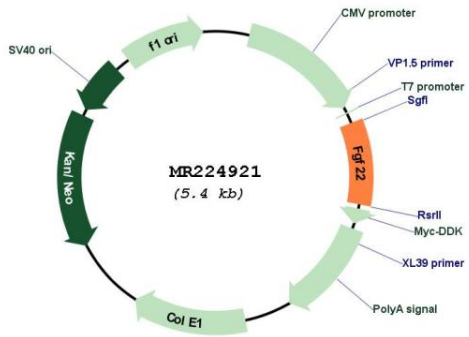
UniProt ID: Q9ESS2

Cytogenetics: 10 C1

MW: 19.4 kDa

Gene Summary: Plays a role in the fasting response, glucose homeostasis, lipolysis and lipogenesis. Can stimulate cell proliferation (in vitro). May be involved in hair development.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224921