

Product datasheet for **RR205700**

Fgf16 (NM_021867) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fgf16 (NM_021867) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Fgf16
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR205700 representing NM_021867
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGAGGTCGGGGCGTCTTTGCCTCCTTGGACTGGGACCTGCAAGGCTTCTCCTCCTCTGGGGA
 ACGTGCCCTTAGCTGACTCCCCGGGTTTCTGAACGAGCGCCTGGGCCAGATCGAGGGGAAGCTGCACGG
 CGGCTCGCCACAGACTTCGCCACCTGAAGGGGATCTGCGGCGCCAGCTCTACTGCCGACGGGC
 TTCCACCTTGAATCTTCCCAATGGCACGGTGCATGGCACCCGCCACGACCACAGCCGCTTCGGAATTC
 TGAATTTATCAGCTTGGCTGTGGGGTGCATCAGCATCCGGGGAGTAGACTCTGGCCTATACCTAGGAAT
 GAATGAGCGAGGAGAGCTGTTTGGATCGAAGAACTCACACGAGAATGTGTTTTCCGGGAACAGTTTGAA
 GAAAACCTGGTACAACACCTATGCATCCACCTTGTACAAACACTCGGACTCGGAGAGACAGTATTATGTGG
 CCCTGAATAAAGACGGCTCACCCGGGAGGGATACAGGACTAAACGACACCAGAAATCACTCACTTTTT
 ACCCAGGCCAGTAGATCCTTCTAAGTTGCCCTCCATGTCCAGAGACCTTCCGCTATAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR205700 representing NM_021867
 Red=Cloning site Green=Tags(s)

MAEVGGVFASLDWDLQGFSSSLGNVPLADSPGFLNERLGQIEGKLQRGSPTDFAHLKGILRRRQLYCRTG
 FHLEIFPNGTVHGRHDSRFGILEFISLAVGLISIRGVDSGLYLMNERGELFGSKKLTRCVFREQFE
 ENWYNTYASTLYKHSDSERQYYVALNKDGSPPREGYRTRKHQKFTHFLPRPVDPSKLPMSRDLFRYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2485_c03.zip



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021867

ORF Size: 621 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_021867.3](#), [NP_068639.1](#)

RefSeq Size: 624 bp

RefSeq ORF: 624 bp

Locus ID: 60464

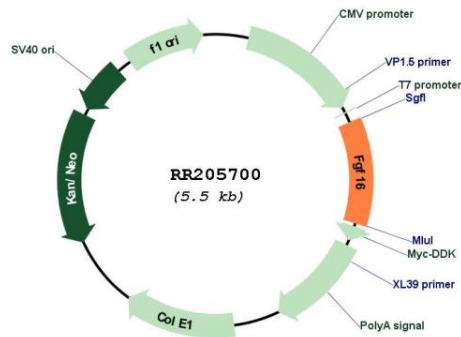
UniProt ID: [O54769](#)

Cytogenetics: Xq22

MW: 24.2 kDa

Gene Summary: fibroblast growth factor; may play a role in the development of brown adipose tissue [RGD, Feb 2006]

Product images:



Circular map for RR205700