

Product datasheet for **MR225913**

Fgf17 (NM_008004) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf17 (NM_008004) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225913 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGCCGCCCGCTGCTGCCTAACCTACCCTGTGCTTGCAGCTATTGATTCTCTGCTGTCAAACAC
 AGGGGAGAATCACCCGTCTCCTAATTTAAACAGTACGTGAGGGACCAGGGCGCTATGACCACCAGCT
 GAGCAGGGCGCAAATCCGTGAATACCAGCTCTACAGCCGACAGTGGCAAGCACGTGCAGGTACCAGCA
 CGTCGCATCTCTGCCACCGCAGAGGATGGCAACAAGTTCGCCAAGCTCATCGTGGAGACAGATACATTCC
 GCAGCAGAGTCCGCATCAAGGGGGCAGAGCGAGAAGTACATCTGTATGAACAAGAGGGGCAAGCTGAT
 TGGGAAGCCGAGCGGGAAGAGCAAAGACTGCGTGTTCACCGAGATCGTACTGGAGAACAACCTACACGGCC
 TTCCAGAACGCCCGCACGAGGGCTGGTTCATGGCTTCACTCGCAGGGCCGGCCACGCCAGGCCCTCCC
 GGAGCCGCCAGAACCAGCGAGAGGCCCACTTCAAGCGCCTCTACCAAGGCCAGCTGCCTTTTCCCAA
 CCACGCTGAAAGGCAGAAGCAGTTCGAATTTGTGGGCTCCGCCCACTCGCAGGACCAAGCGCACTCG
 AGGCCCCAGTCCCAAACG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225913 protein sequence
 Red=Cloning site Green=Tags(s)

MGAARLLPNLTLCLQLLILCCQTQGENHPSPNFNQYVRDQAMTDQLSRRQIREYQLYSRTSGKHVQVTG
 RRISATAEDGNKFAKLIVETDTFGSRVRIKGAESEKYICMNRKGLIGKPSGKSKDCVFTEIVLENNYTA
 FQNRHEGWMAFTRQGRPRQASRSRQREAHF IKRL YQGQL PFPNHAERQKQFEFVGSAPTRTRKTR
 RPQSQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008004

ORF Size: 651 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_008004.5](#)

RefSeq Size: 1687 bp

RefSeq ORF: 651 bp

Locus ID: 14171

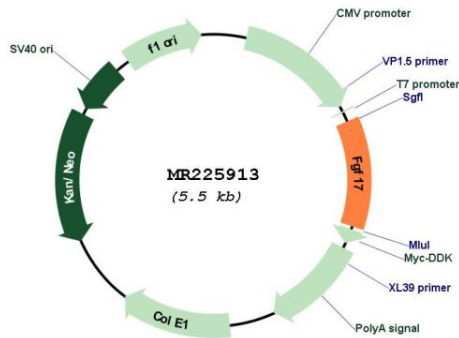
UniProt ID: [P63075](#)

Cytogenetics: 14 36.4 cM

MW: 24.9 kDa

Gene Summary: Plays an important role in the regulation of embryonic development and as signaling molecule in the induction and patterning of the embryonic brain. Required for normal brain development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225913