

## Product datasheet for MR226774

### Fgf18 (NM\_008005) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fgf18 (NM\_008005) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fgf18  
**Synonyms:** D130055P09Rik; FGF-18  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR226774 representing NM\_008005  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGTATTCAGCGCCCTCCGCTGCACTTGCCTGTGTTTACACTTTCTACTGCTGTGCTTCCAGGTTCAGG  
 TGTTGGCAGCCGAGGAGAATGTGGACTTCCGCATCCACGTGGAGAACCAGACGCGGGCTCGAGATGATGT  
 GAGTCGGAAGCAGCTGCGCTTGTACCAGCTCTATAGCAGGACCAGTGGGAAGCACATTCAAGTCCTGGGC  
 CGTAGGATCAGTGCCCGTGGCGAGGACGGGACAAGTATGCCAGCTCCTAGTGGAGACAGATACCTTCG  
 GGAGTCAAGTCCGGATCAAGGGCAAGGAGACAGAATTCTACCTGTGTATGAACCGAAAAGGCAAGCTCGT  
 GGGGAAGCCTGATGGTACTAGCAAGGAGTGCCTGTTTCATTGAGAAGGTTCTGGAAAAAACAACACACGGCC  
 CTGATGTCTGCCAAGTACTCTGGTTGGTATGTGGGCTTACCAAGAAGGGGCGGCCCTCGAAGGGTCCCA  
 AGACCCGCGAGAACCAGCAAGATGTACACTTTCATGAAGCGTTACCCCAAGGGACAGGCCGAGCTGCAGAA  
 GCCCTTCAAATACACCACAGTCACCAAGCGATCCCGGCGGATCCGCCCACTCACCCCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR226774 representing NM\_008005  
 Red=Cloning site Green=Tags(s)

MYSAPSACTCLCLHFLLLCFVQVLAEEENVDFRIHVENQTRARDDVSRKQLRLYLYSRTSGKHIQVLG  
 RRISARGEDGDKYAQLL VETDTFGSQVRIKGETEFYLCMNRKGLVGKPDGTSKECVFIEKVLNNYTA  
 LMSAKYSGWYVGF TTKGRPRKGPKTRENQDVFHFMKRYPKQAELQKPFKYTTVTKRSRIRPHTPG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



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**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9008\\_c11.zip](https://cdn.origene.com/chromatograms/mm9008_c11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_008005

**ORF Size:** 621 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\\_008005.2](#), [NP\\_032031.1](#)

**RefSeq Size:** 1094 bp

**RefSeq ORF:** 624 bp

**Locus ID:** 14172

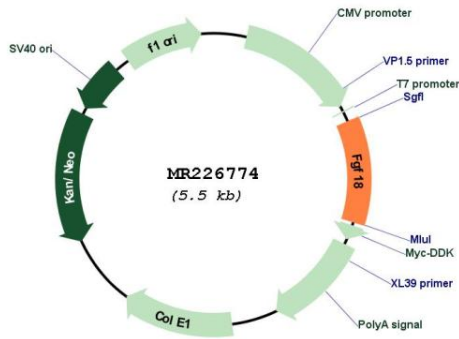
UniProt ID: O89101

Cytogenetics: 11 A4

MW: 24.4 kDa

Gene Summary: Plays an important role in the regulation of cell proliferation, cell differentiation and cell migration. Required for normal ossification and bone development. Stimulates hepatic and intestinal proliferation (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226774