

## Product datasheet for **RR209756**

### **Fgf19 (NM\_130753) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Fgf19 (NM\_130753) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Fgf19  
Synonyms: Fgf15  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR209756 representing NM\_130753  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGAGAAAGTGGAGTGGCGTATTGTGGCCGAGCTCTGGTCCTGGCCACTCTGTGGCTGGCCGTGT  
CTGGGCGTCCCCTGGTCCAGCAATCCCAGTCTGTGTCGGATGAAGGTCCACTCTTTCTCTATGGCTGGG  
CAAGATTACCCGCTGCAGTACCTGTACTCTGCTGGTCCCTACGTCTCCAAGTCTTCTGCGTATCCGG  
AGTGACGGCTCTGTGGACTGCGAGGAGGACCAGAACGAACGAAATCTGTTGGAGTCCGCGCGGTTGCTC  
TGAAGACAATTGCCATCAAGGACGTCAGCAGCGTGCGGTACCTCTGCATGAGCGCCGACGCAAGATATA  
CGGGCTGATTCGCTACTCGGAGGAAGACTGTACCTTCAGGGAGGAAATGGACTGTTTGGGCTACAACCAG  
TACAGGTCCATGAAGCACCACCTCCACATCATCTTCATCAAGGCCAAGCCAGAGAGCAGCTCCAGGGCC  
AGAAACCTTCAAACCTTTATCCCCATATTTACCCGGTCTTTCTTTGAATCCACGGACCAGCTGAGGTCTAA  
AATGTTCTCTCTGCCCTGGAGAGCGACAGCATGGATCCGTTTCAAGATGGTGGAGGATGTGGACCACCTA  
GTGAAGAGTCCCAGCTTCCAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR209756 representing NM\_130753  
 Red=Cloning site Green=Tags(s)

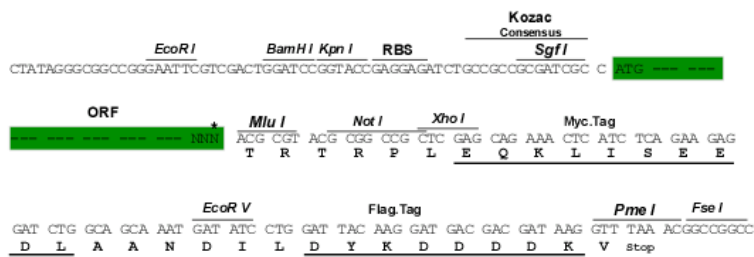
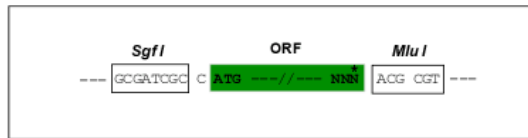
MARKWSGRIVARALVLATLWLAVSGRPLVQQSQSVSDEGPLFLYGWGKITRLQYLYSAGPYVSNCFLRIR  
 SDGSVDCEEDQNERNLLEFRAVALKTIAIKDVSSVRYLCMSADGKIYGLIRYSEEDCTFREEMDCLGYNQ  
 YRSMKHHLHIIFIKAKPREQLQGQKPSNFIPFHRSFFESTDQLRSMFSLPLESDSMDPFRMVEDVDHL  
 VKSPSFQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

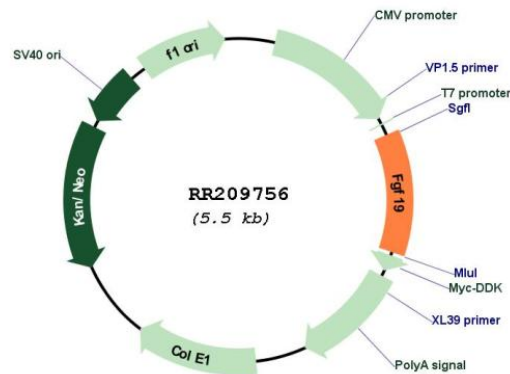
**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



**ACCN:** NM\_130753

**ORF Size:** 654 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_130753.1</a> , <a href="#">NP_570109.1</a>
<b>RefSeq Size:</b>	657 bp
<b>RefSeq ORF:</b>	657 bp
<b>Locus ID:</b>	170582
<b>Cytogenetics:</b>	1q42
<b>MW:</b>	25.2 kDa
<b>Gene Summary:</b>	member of the fibroblast growth factor (FGF) family; implicated in activities including embryonic development, cell growth, morphogenesis, tissue growth, and tumor growth and invasion [RGD, Feb 2006]