

## Product datasheet for **MC208493**

### **Fgf9 (NM\_013518) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fgf9 (NM_013518) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fgf9
Synonyms:	Eks
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208493 representing NM_013518 <b>Red</b> =Cloning site <b>Blue</b> =ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTCCCTTAGGTGAAGTTGGGAGCTATTTCCGGTGTGCAGGACGCGGTACCGTTCGGGAACGTACCGG  
TGTTGCCGGTGGACAGTCCGGTGTGCTAAGTGACCACCTGGGTCAAGTCCGAAGCAGGGGGCTGCCCG  
GGGCCCCGAGTCACGGACTTGGATCATTTAAAGGGGATTCTCAGGCGGAGGCAGCTGTACTGCAGGACT  
GGATTTCAATTTAGAGATCTTCCCAACGGTACTATCCAGGAACCAGAAAGACCACAGCCGCTTCGGCA  
TTCTGGAATTTATCAGTATAGCAGTGGCCTGGTCAGCATTCCGGTGTGGACAGTGGACTCTACCTCGG  
CATGAACGAGAAGGGGAGCTGTATGGATCAGAAAACTAACACAGGAATGTGTGTTTCAGAGAACAGTTT  
GAAGAGAACTGGTACAACACCTACTCTTCCAACCTCTATAAACATGTGGACACCGGAAGGAGATACTATG  
TTGCATTAATAAGGACGGGACTCCAAGAGAAGGGACCAGGACTAAACGGCACCAGAAATTTACACATTT  
TTTACCTAGACCAGTGGACCCTGACAAAGTACCTGAACATATAAGGATATTCTAAGCCAAAGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja1760_g07.zip">https://cdn.origene.com/chromatograms/ja1760_g07.zip</a>
Restriction Sites:	SgfI-MluI
ACCN:	NM_013518
Insert Size:	627 bp



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**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](mailto: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](#)

**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:** [BC099875](#), [AAH99875](#)

**RefSeq Size:** 816 bp

**RefSeq ORF:** 627 bp

**Locus ID:** 14180

**UniProt ID:** [P54130](#)

**Cytogenetics:** 14 30.51 cM

**Gene Summary:** Plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. May have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors.  
[UniProtKB/Swiss-Prot Function]