

Product datasheet for **MG226895**

Fgf9 (NM_013518) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf9 (NM_013518) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fgf9
Synonyms: Eks
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226895 representing NM_013518
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCCTTAGGTGAAGTTGGGAGCTATTTCCGGTGTGCAGGACGCGGTACCGTTCGGGAACGTACCGG
 TGTTGCCGGTGGACAGTCCGGTGTGCTAAGTGACCACCTGGGTCAAGCAGGAGGGGGCTGCCCG
 GGGCCCCGAGTCACGGACTTGGATCATTTAAAGGGGATTCTCAGGCGGAGGCAGCTGTACTGCAGGACT
 GGATTTCAATTTAGAGATCTTCCCAACGGTACTATCCAGGAACCAGAAAGACCACAGCCGCTTCGGCA
 TTCTGGAATTTATCAGTATAGCAGTGGCCTGGTCAGCATTCCGGGTGTGGACAGTGGACTCTACCTCGG
 CATGAACGAGAAGGGGAGCTGTATGGATCAGAAAACTAACACAGGAATGTGTGTTAGAGAACAGTTT
 GAAGAGAACTGGTACAACACCTACTCTTCCAACCTCTATAAACATGTGGACACCGGAAGGAGATACTATG
 TTGCATTAATAAGGACGGGACTCCAAGAGAAGGGACCAGGACTAAACGGCACCAGAAATTTACACATTT
 TTTACCTAGACCAGTGGACCCTGACAAAGTACCTGAACATATAAGGATATTCTAAGCCAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226895 representing NM_013518
 Red=Cloning site Green=Tags(s)

MAPLGEVGSYFGVQDAVFPGNVPLPVDSPLLSDHLGQSEAGGLPRGPAVTDLDHLKGI LRRRQLYCRT
 GFHLEIFPNGTIQGRKDHRSRFGILEFISIAVGLVSIRGVDSGL YLGMNEKGEL YGSEKL TQECVFREQF
 EENWYNTYSSNL YKHVDTRRRYYVALNKDGTREGTRTRKHQKFTHFLPRPVPDPKVPPEL YKDILSQS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_013518

ORF Size: 624 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_013518.4](#), [NP_038546.2](#)

RefSeq Size: 4145 bp

RefSeq ORF: 627 bp

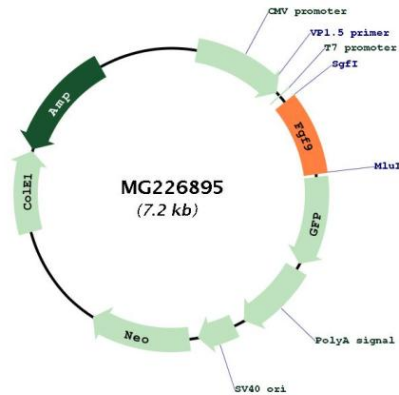
Locus ID: 14180

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]

Product images:



Circular map for MG226895