

Product datasheet for MR202235

Fgf10 (NM_008002) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf10 (NM_008002) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf10
Synonyms: AEY17; BB213776; Fgf-10; Gsfaey17
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202235 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTGGAATGGATACTGACACATTGTGCCTCAGCCTTTCCACCTGCCGGGCTGCTGTTGCTGCTTCT
 TGTTGCTCTTTTGGTGTCTTCGTTCCCTGTCACTGCCAAGCTCTTGGTCAGGACATGGTGTACAGGA
 GGCCACCAACTGCTCTTCTCCTCCTCGCTTCTCCTCCTTCCAGTGCGGGAAGGCATGTGCGGAGC
 TACAATCACTCCAAGGAGATGTCGGCTGGAGAAGGCTGTTCTCCTTACCAAGTACTTTCTCACGATTG
 AGAAGAACGGCAAGGTCAGCGGGACCAAGAATGAAGACTGTCCGTACAGTGTCTGGAGATAACATCAGT
 GGAATCGGAGTTGTTGCCGTCAAAGCCATCAACAGCACTATTACTTAGCCATGAACAAGAAGGGGAAA
 CTCTATGGCTCAAAGAGTTTAAACAACGACTGTAAGCTGAAAGAGAGAATAGAGGAAAATGGATACAACA
 CCTATGCATCTTTAACTGGCAGCAAAATGGCAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCC
 CAGGAGAGGACAAAAACAAGAAGGAAAAACACCTCTGCTCACTTCTCCCATGACGATCCAAAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202235 protein sequence
 Red=Cloning site Green=Tags(s)

MWKWILTHCASAFPHLPGCCCFLLFLVSSFPVTCQALGQDMVSQEATNCSSSSSSSSPSSAGRHVRS
 YNHLQGDVRRRLFSTKYFLTIEKNGKVSQTKNEDCPYSVLEITSVEIGVVAVKAINSNYLAMNKKGK
 LYGSKFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMTIQT

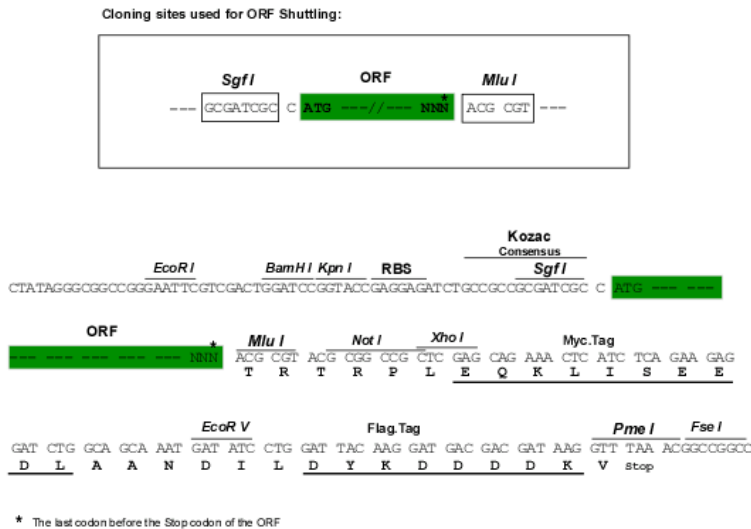
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008002

ORF Size: 630 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_008002.4](#)

RefSeq Size: 4572 bp

RefSeq ORF: 630 bp

Locus ID: 14165

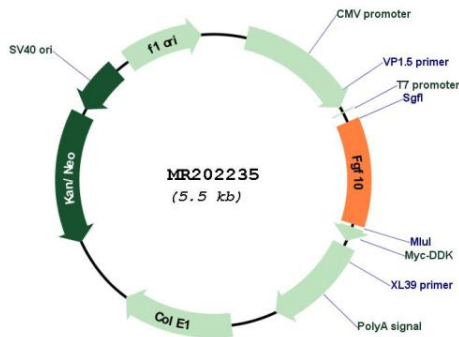
UniProt ID: [O35565](#)

Cytogenetics: 13 67.14 cM

MW: 23.6 kDa

Gene Summary: Plays an important role in the regulation of embryonic development, cell proliferation and cell differentiation. Required for normal branching morphogenesis. May play a role in wound healing.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202235