

Product datasheet for MR222971

Fgf6 (NM_010204) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Fgf6 (NM_010204) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Fgf6

Synonyms: Fgf-6; HSTF-2

Mammalian Cell

Selection:

Vector:

pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

ORF Nucleotide >MR222971 representing NM_010204

Neomycin

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222971 representing NM_010204

Red=Cloning site Green=Tags(s)

MALGQRLFITMSRGAGRVQGTLQALVFLGVLVGMVVPSPAGARANGTLLDSRGWGTLLSRSRAGLAGEIS GVNWESGYLVGIKRQRRLYCNVGIGFHLQVPPDGRISGTHEENPYSLLEISTVERGVVSLFGVKSALFIA MNSKGRLYTTPSFHDECKFRETLLPNNYNAYESDLYRGTYIALSKYGRVKRGSKVSPIMTVTHFLPRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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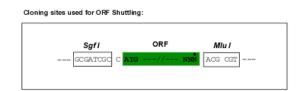
CN: techsupport@origene.cn

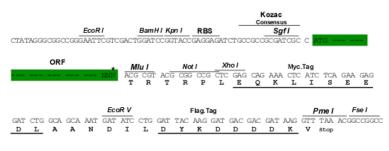
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com ORÏGENE

Chromatograms: https://cdn.origene.com/chromatograms/mm9007 e04.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_010204

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 customercom 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: <u>NM 010204.1</u>, <u>NP 034334.1</u>

 RefSeq Size:
 1232 bp

 RefSeq ORF:
 627 bp

 Locus ID:
 14177

 UniProt ID:
 P21658

 Cytogenetics:
 6 61.92 cM

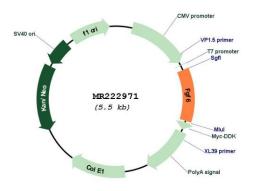
 MW:
 23.2 kDa

Gene Summary: Plays an important role in the regulation of cell proliferation, cell differentiation, angiogenesis

and myogenesis, and is required for normal muscle regeneration.[UniProtKB/Swiss-Prot

Function]

Product images:



Circular map for MR222971