

Product datasheet for MR221939

Fgf14 (NM_207667) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fgf14 (NM_207667) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fgf14
Synonyms: FHF-4; Fhf4; mFHF-4(1B)
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221939 representing NM_207667
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGTAAAACCGGTGCCCTCTTCAGGAGAACTGATTTCAAGTTATTATTATGCAACCACAAGGGCCTCT
TCTTTCTCAGGGTGTCTAAGCTGCTGGGTTGCTTTTCGCCAAATCAATGTGGTTTCTTTGGAACATTTT
CAGCAAAGGAACGCATATGCTGCAGTGTCTTTGTGGCAAGAGTCTTAAGAAAAACAAGAACCAACTGAT
CCCCAGCTCAAGGCATAGTGACCAGGTTATATTGCAGGCAAGGCTACTACTTGCAGATGCACCCCGATG
GAGCTCTCGATGGAACCAAGGATGACAGCACCAATCCCACTGTCAACCTCATCCCAGTGGGACTGCG
CGTTGTTGCCATCCAGGGAGTGAAGACAGGTTGTACATAGCAATGAATGGAGAAGGTTACTCTACCCA
TCAGAACTTTTTACCCCTGAATGCAAGTTAAAGAGTCTGTTTTTGAAAATATTATGTAATCTACTCAT
CCATGCTGTACAGGCAACAGGAGTCTGGCAGAGCCTGGTTTTTGGGATTAATAAGGAAGGGCAAGTTAT
GAAAGGAAACAGAGTAAAGAAAACCAACCAGCAGCTCATTTTCTACCCAAGCCATTGGAAGTTGCCATG
TACCGAGAACCATCCTTGATGATGTTGGTGAACAGTCCCGAAAGCTGGGGTGACGCCAAGCAAAAGTA
CAAGTGATCTGCAATAATGAATGGAGGCAAACCAAGTCAACAAGTGAAGACCACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221939 representing NM_207667
Red=Cloning site Green=Tags(s)

MVKPVPLFRRTDFKLLCNHKGLFFLRVSKLLGCFSPKSMWFLWNIFSKGTHMLQCLCGKSLKKNKNPTD
 PQLKGIIVTRL YCRQGYLLQMHPDGDGTDKDDSTNSTLFNLIPVGLRVVAIQGVKTGLYIAMNGEGYLYP
 SELFTPECKFKESVFENYYVIYSSMLYRQQESGRAWFLGLNKEGQVMKGNRVKKT KPAAHFLPKPLEVAM
 YREPSLHDVGETVPKAGVTPSKSTSASAIMNGGKPVNKCKTT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9007_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_207667

ORF Size: 756 bp

OTI Disclaimer: 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_207667.3](#), [NP_997550.1](#)

RefSeq Size: 3224 bp

RefSeq ORF: 759 bp

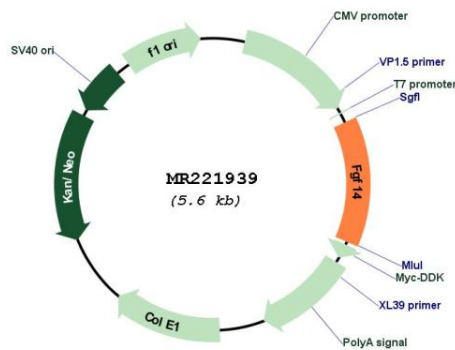
Locus ID: 14169

Cytogenetics: 14 66.18 cM

MW: 28.8 kDa

Gene Summary: Probably involved in nervous system development and function.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221939