

## Product datasheet for **MG221939**

### **Fgf14 (NM\_207667) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fgf14 (NM_207667) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fgf14
Synonyms:	FHF-4; Fhf4; mFHF-4(1B)
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG221939 representing NM_207667 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTAAAACCGGTGCCCTCTTCAGGAGAACTGATTTCAAGTTATTATTATGCAACCACAAGGGCCTCT  
TCTTTCTCAGGGTGTCTAAGCTGCTGGTTGCTTTTCGCCAAATCAATGTGGTTTCTTTGGAACATTTT  
CAGCAAAGGAACGCATATGCTGCAGTGTCTTTGTGGCAAGAGTCTTAAGAAAAACAAGAACCAACTGAT  
CCCCAGCTCAAGGCATAGTGACCAGGTTATATTGCAGGCAAGGCTACTACTTGCAGATGCACCCCGATG  
GAGCTCTCGATGGAACCAAGGATGACAGCACCAATCCCACTGTCAACCTCATCCCAGTGGGACTGCG  
CGTTGTTGCCATCCAGGGAGTGAAGACAGGTTGTACATAGCAATGAATGGAGAAGGTTACTCTACCCA  
TCAGAACTTTTTACCCCTGAATGCAAGTTAAAGAGTCTGTTTTTGAAAATATTATGTAATCTACTCAT  
CCATGCTGTACAGGCAACAGGAGTCTGGCAGAGCCTGGTTTTTGGGATTAATAAGGAAGGGCAAGTTAT  
GAAAGGAAACAGAGTAAAGAAAACCAACCAGCAGCTCATTTTCTACCCAAGCCATTGGAAGTTGCCATG  
TACCGAGAACCATCCTTGATGATGTTGGTGAACAGTCCCGAAAGCTGGGGTGACGCCAAGCAAAAGTA  
CAAGTGATCTGCAATAATGAATGGAGGCAAACAGTCAACAAGTGAAGACCACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221939 representing NM\_207667  
 Red=Cloning site Green=Tags(s)

MVKPVPLFRRTDFKLLCNHKGLFFLRVSKLLGCFSPKSMWFLWNIFSKGTHMLQCLCGKSLKKNKNPTD  
 PQLKGIIVTRYCRQGYLQMHPDGDLDGTDKDDSTNSTLFNLI PVGLRVVAIQGVKTGLYIAMNGEGYLYP  
 SELFTPECKFKESVFENYYVIYSSMLYRQQESGRAWFLGLNKEGQVMKGNRVKKT KPAAHFLPKPLEVAM  
 YREPSLHDVGETVPKAGVTPSKSTSASAIMNGGKPVNKCKTT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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

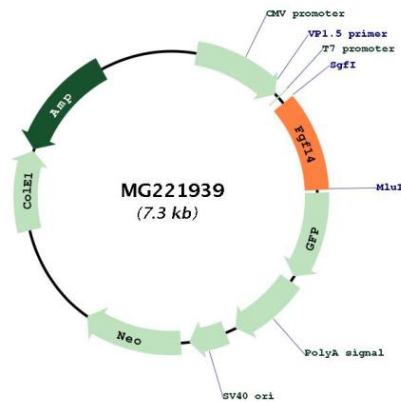
**RefSeq ORF:** 759 bp

**Locus ID:** 14169

**Cytogenetics:** 14 66.18 cM

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

### Product images:



Circular map for MG221939