

## Product datasheet for **MG221938**

### **Fgf14 (NM\_010201) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fgf14 (NM_010201) 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:	>MG221938 representing NM_010201 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGCGGCCATCGCCAGCGGCTTGATCCGTGAGAAACGGCAGGCGGGAGCAGCACTGGGACCGGC  
CCTCTGCCAGCAGGAGGCGGAGCAGCCCCAGCAAGAACCAGCGGGCTTTGCAATGGCAACCTGGTGGATAT  
CTTCTCTAAAGTGCGCATCTTCGGCCTCAAGAAGCGCAGGTTGCGGCGCCAAGATCCCCAGCTCAAGGGC  
ATAGTGACCAGGTTATATTGCAGGCAAGGCTACTACTTGCAGATGCACCCGATGGAGCTCTCGATGGAA  
CCAAGGATGACAGCACCAATCCACACTGTTCAACCTCATCCAGTGGGACTGCGGTTGTTGCCATCCA  
GGGAGTGAAGACAGGTTGTACATAGCAATGAATGGAGAAGGTTACCTCTACCCATCAGAACTTTTTACC  
CCTGAATGCAAGTTTAAAGAGTCTGTTTTTAAAACTATTATGTAATCTACTCATCCATGCTGTACAGGC  
AACAGGAGTCTGGCAGAGCCTGGTTTTTGGGATTAATAAGGAAGGGCAAGTTATGAAAGGAAACAGAGT  
AAAGAAAACCAACCAGCAGCTCATTTTCTACCCAAGCATTGGAAGTTGCCATGTACCGAGAACCATCC  
TTGCATGATGTTGGTAAACAGTCCCGAAAGCTGGGGTACGCGCAAGCAAAAGTACAAGTGCATCTGCAA  
TAATGAATGGAGGCAACCAGTCAACAAGTGAAGACCACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221938 representing NM\_010201  
 Red=Cloning site Green=Tags(s)

MAAAIASGLIRQKRQAREQHWRPSASRRRSPSKNRGLCNGNLVDIFSKVRIFGLKKRRLRRQDPQLKG  
 IVTRL YCRQGYLQMHPDGDGTDKDDSTNSTLFNLIPVGLRVVAIQGVKTGLYIAMNGEGLYPSELFT  
 PECKFKESVFENYYVIYSSMLYRQQESGRAWFLGLNKEGQVMKGNRVKTKPAAHFLPKPLEVAMYREPS  
 LHDVGETVPKAGVTPSKSTSASAIMNGGKPVNKCKTT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_010201

**ORF Size:** 741 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\\_010201.4](#), [NP\\_034331.2](#)

**RefSeq Size:** 2824 bp

**RefSeq ORF:** 744 bp

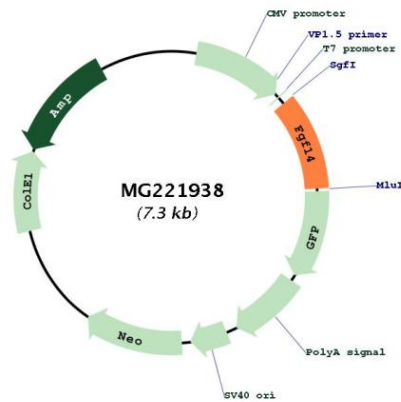
**Locus ID:** 14169

**UniProt ID:** [P70379](#)

**Cytogenetics:** 14 66.18 cM

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

### Product images:



Circular map for MG221938