

Product datasheet for **MG221854**

Fgf13 (NM_010200) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Fgf13 (NM_010200) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Fgf13
 Synonyms: Fhf2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG221854 representing NM_010200
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCGGCTATCGCCAGCTCGCTCATCCGGCAAAGAGACAAGCCCGAGCGCGAGAAATCCAATG
 CCTGCAAGTGTGTCAGCAGCCCCAGCAAAGGCAAGACCAGCTGCGACAAAAACAAGTTAAACGTCTTTTC
 CCGGGTCAAACCTTTGGCTCCAAGAAGAGGCGCAGAAGGAGACCAGAGCCTCAGCTTAAGGGTATAGTT
 ACCAAACTATACAGCCGACAAGGCTACCACTTGAACCTGCAGGCAGATGGAACCATTTGATGGCACCAAAG
 ACGAGGACAGCACTTACTCTGTTTAACCTCATCCCTGTGGGTCTTCGGGTGGTGGCTATCAAGGAGT
 TCAAACCAAGCTGTATTTGGCAATGAACAGCGAGGGATACTTGTACACCTCGGAACATTTACACCTGAG
 TGCAAATTCAAAGAATCAGTGTTTGAATAATTACGTGACATACTCATCAATGATCTACCGTCAGCAGC
 AATCCGGCCGAGGGTGGTATCTAGGTCTGAACAAAGAAGGAGAGATCATGAAAGGCAACCATGTGAAGAA
 GAACAAGCCTGCAGCACATTTCTGCCAAACCACTGAAAGTGGCCATGTACAAGGAGCCATCTCTGCAC
 GATCTCACGGAGTTCTCCGATCTGGAAGTGGGACCCCGACCAAGAGCAGAAGCGTCTCTGGTGTACTGA
 ATGGAGGCAAATCCATGAGCCACAACGAATCAACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221854 representing NM_010200
 Red=Cloning site Green=Tags(s)

MAAAIASSLIRQKRQAREREKSNACKCVSSPSKGKTSCKDNKLNLF SRVKLFGSKKRRRRRPEPQLKGIV
 TKLYSRQGYHLQLQADGTIDGTDKEDSTYTLFNLIPVGLRVVAIQGVQTKLYLAMNSEGYLYTSEHFTPE
 CKFKESVFENYYVYSSMIYRQQQSGRWYLG LNKKEGIMKGNHVKKNKPAAHFLPKPLKVAMYKEPSLH
 DLTEFSRSGSGTPTKRSVSGVLNGGKSMHNEST

TRTRPLE - GFP Tag - V

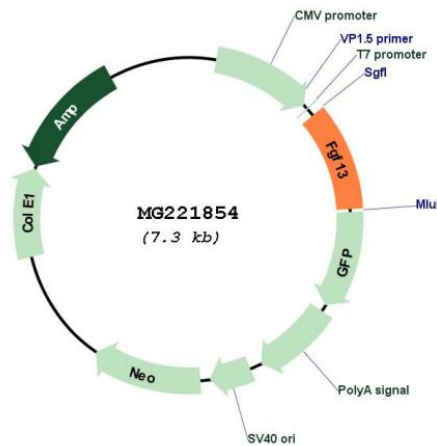
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010200

ORF Size: 735 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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_010200.3
RefSeq Size:	2506 bp
RefSeq ORF:	738 bp
Locus ID:	14168
UniProt ID:	P70377
Cytogenetics:	X 33.31 cM
Gene Summary:	<p>Microtubule-binding protein which directly binds tubulin and is involved in both polymerization and stabilization of microtubules. Through its action on microtubules, may participate to the refinement of axons by negatively regulating axonal and leading processes branching. Plays a crucial role in neuron polarization and migration in the cerebral cortex and the hippocampus.[UniProtKB/Swiss-Prot Function]</p>