

Product datasheet for MC208481

Fgf13 (NM_010200) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgf13 (NM_010200) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fgf13
Synonyms:	Fhf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208481 representing NM_010200 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGCTATCGCCAGCTCGCTCATCCGGCAAAGAGACAAGCCCGAGCGCGAGAAATCCAATG
CCTGCAAGTGTGCAGCAGCCCCAGCAAAGGCAAGACCAGCTGCGACAAAAACAAGTTAAACGTCTTTTC
CCGGGTCAAACCTTTGGCTCCAAGAAGAGGCGCAGAAGGAGACCAGAGCCTCAGCTTAAGGGTATAGTT
ACCAAATACAGCCGACAAGGCTACCACTTGAACCTGCAGGCAGATGGAACCATTTGATGGACCAAAG
ACGAGGACAGCACTTACACTCTGTTAACCTCATCCCTGTGGTCTTCGGTGGTGGCTATCAAGGAGT
TCAAACCAAGCTGATTTGGCAATGAACAGCGAGGGATACTTGTACACCTCGGAACATTTACACCTGAG
TGCAAATTCAAAGAATCAGTGTTTGAATAATTACGTGACATACTCATCAATGATCTACCGTCAGCAGC
AATCCGGCCGAGGGTGGTATCTAGGTCTGAACAAAGAAGGAGAGATCATGAAAGGCAACCATGTGAAGAA
GAACAAGCCTGCAGCACATTTCTGCCAAACCACTGAAAGTGGCCATGTACAAGGAGCCATCTCTGCAC
GATCTCACGGAGTTCTCCGATCTGGAAGTGGACCCCGACCAAGAGCAGAAGCGTCTCTGGTGTACTGA
ATGGAGGCAAATCCATGAGCCACAACGAATCAACGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja2674_f02.zip
Restriction Sites:	Sgfl-MluI
ACCN:	NM_010200
Insert Size:	738 bp



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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 custsupport@origene.com 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](#)

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: [BC018238](#), [AAH18238](#)

RefSeq Size: 2509 bp

RefSeq ORF: 738 bp

Locus ID: 14168

UniProt ID: [P70377](#)

Cytogenetics: X 33.31 cM

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes isoform 1.