

## Product datasheet for MC226197

### Fgf13 (NM\_001290415) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fgf13 (NM\_001290415) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fgf13  
**Synonyms:** Fhf2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226197 representing NM\_001290415  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTTGTTAAGGAAGTCATATTCAGAGCCTCAGCTTAAGGGTATAGTTACCAAATACAGCCGAC  
AAGGCTACCACTTGCAACTGCAGGCAGATGGAACCATTGATGGCACCAAGACGAGGACAGCACTTACAC  
TCTGTTTAACTCATCCCTGTGGGTCTTCGGGTGGTGGCTATTCAAGGAGTTCAAACCAAGCTGTATTTG  
GCAATGAACAGCGAGGGATACTTGTACACCTCGGAACATTTACACCTGAGTGCAAATTCAAAGAATCAG  
TGTTTGAAAATTATTACGTGACATACTCATCAATGATCTACCGTCAGCAGCAATCCGGCCGAGGGTGGTA  
TCTAGGTCTGAACAAAGAAGGAGAGATCATGAAAGGCAACCATGTGAAGAAGAACAAGCCTGCAGCACAT  
TTTCTGCCAAACCCTGAAAGTGGCCATGTACAAGGAGCCATCTCTGCACGATCTCACGGAGTTCTCCC  
GATCTGGAAGTGGGACCCCGACCAAGAGCAGAAGCGTCTCTGGTGTACTGAATGGAGGCAAATCCATGAG  
CCACAACGAATCAACGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290415  
**Insert Size:** 579 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001290415.1</a> , <a href="#">NP_001277344.1</a>
<b>RefSeq Size:</b>	2025 bp
<b>RefSeq ORF:</b>	579 bp
<b>Locus ID:</b>	14168
<b>UniProt ID:</b>	<a href="#">P70377</a>
<b>Cytogenetics:</b>	X 33.31 cM
<b>Gene Summary:</b>	<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> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>