

## Product datasheet for **MC217470**

### **Cyp4f16 (NM\_024442) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp4f16 (NM_024442) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp4f16
Synonyms:	2310021J05Rik; AI746515
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC217470 representing NM\_024442  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCGGCTAAGTGTGTCTGGCTGGACCTGGGCTCTGTGGTACCTCGTCATGGCATCTTCTGCTGC  
 TTGGAGTGGCTTCTGGATTTTGGCCAGAATCCTTGCCTGGACTTACTCATTCTATGAGAACTGCTCCCG  
 CCTCAGTTGTTTCCCTCAGCCTCCTAAAAAACTGGTTTTTCAGGTCACCTGGGCATGATCCAGAGCAAT  
 GAGGAAGGCATGCAGCTGGTTACCGAAATGGGCCAGACTTTCCAAGATGCCATCTCTTTTGGTGGGAC  
 CAGTGATCCCTGTGCTGAGGATTGTTGACCCTGCATTTGTTGCCCCCTGCTCCAGGCCAGCTTTGGT  
 GGCCCAAAGGACATGACATTTTACGCTTCTGAAGCCCTGGCTGGGGATGGGCTCTTCTGAGTTCA  
 GGTGACAAAGTGGAGCCGCATCGTCGACTGCTGACACCTGCCTTCCACTTTGATATCCTGAAGCCATG  
 TGAAGATTTTTAACAGAGTGTGAACATCATGCACGCAAGTGAAGCACCTATCCTCGAAGGCAGTGC  
 ACGTCTGGAAATGTTTGGACACATCAGCCTCATGACCTTGGACAGTCTGCAGAAATGCCTCTTTGGCTTT  
 GACAGCAACTGTGAGGAGTCTCCAGTGAATACATTTCTGCCATCTTGGAACTCAGTTCCTCATAATAA  
 AAAGGTCACTTCACTCTTCTTGTTCGTTGACTTCTGTATTACCACTGCTGATGGGCGGCGCTCCG  
 CAAGGCCGTGTGACCTGGTGCACAACTTCACAGATGCTGTATTAGGGAGAGACGGCACACTCTCTCCAGC  
 CAAAACCATGATGAGTCTTGAAGTCCAAGACTAAGTCTAAGACTCTGGATTTTATTGATGTTCTCTTGT  
 TGGCCAAGGATGAACATGGAAAGGAGCTGTGAGATGAGGACATCCGGGCAGAGGCTGACACCTTTATGTT  
 TGGAGGCCATGACACCACAGCCAGTGCCTCTCTGGATCCTGTACAACCTGGCGAGGCACCCGAATAC  
 CAGGACCGCTGCCGCGAGGAGTTCAGGAGCTGCTGAGGACCGAGAGCCTGAGGAGATTGAATGGGACG  
 ACCTGGCCAGCTACCCTTCTGACCATGTGCATCAAGGAGAGTCTGCGGCTACATTTCCCACTCAGTCA  
 CCTCTCCGCGCTGCACCCGGGACATTGTGCTACCTGATGGCCGGTTCATCCCTAAAGGGAACATCTGT  
 GTCATCAGCATCTTGGTATTCATCACAATCCATCAGTCTGGCCAGACCCTGAGGTCTATGACCCCTTCC  
 GCTTTGACCCAGAAAACCCACAGAAGAGTCCCCTCTGGCTTTTATTCCCTTTTCTGCCGGGCCAGGAA  
 CTGCATAGGACAGACTTTCGCCATGAGCGAGATGAAGGTGGCACTGGCGTACTCTGCTGCGCTCCCGC  
 ATCCTGCCTGATGACAAGGAGCCGCGCCGAAGCCAGAGATAATCCTGCGGGCGGAGGGCGGTTGTGGC  
 TCGGGTGGAGCCTCTGAGCAAGGGCGCTCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_024442  
**Insert Size:** 1575 bp  
**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](mailto: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](#)

<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>	<u><a href="#">NM_024442.1</a></u> , <u><a href="#">NP_077762.1</a></u>
<b>RefSeq Size:</b>	2192 bp
<b>RefSeq ORF:</b>	1575 bp
<b>Locus ID:</b>	70101
<b>Cytogenetics:</b>	17 B1