

## Product datasheet for **SC112952**

### CYPIVF11 (CYP4F11) (NM\_021187) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CYPIVF11 (CYP4F11) (NM_021187) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYPIVF11
Synonyms:	CYPIVF11
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_021187 edited  
 AGTCGACAATTTGTAACGACTCACTATAGGCGGCCGCGATTCCCAGGATATCGTCGACC  
 CACGCGTCCGGAGCAAAGACCTCCTAGCAGAGGGGAGAGGGGATGCCGCAGCTGAGC  
 CTGTCCTGGCTGGGCCTCGGGCCGCTGGCAGCATCCCCGTGGCTGCTTCTGCTGCTGGTT  
 GGGGGCTCCTGGCTCCTGGCCCGCTGCTGGCCTGGACCTACACCTTCTATGACAACCTGC  
 CGCCGCTCCAGTGTTCCTCAACCCCGAAACAGAAGTGGTTTTGGGGACACAGGGC  
 CTGGTCACTCCCACGGAAGAGGGCATGAAGACATTGACCCAGCTGGTGACCACATATCCC  
 CAGGGCTTTAAGTTGTGGCTGGGTCTACCTTCCCCTCCTCATTTTATGCCACCCTGAC  
 ATCATCCGGCCTATCACCAGTGCCTCAGCTGCTGTGCGACCCAAGGATATGATTTTCTAT  
 GGCTTCTGAAGCCCTGGCTGGGGATGGGCTCCTGCTGAGTGGTGGTGACAAGTGGAGC  
 CGCCACCCTCGGATGTTGACGCCTGCCTTCCATTTCAACATCTTGAAGCCTTATATGAAG  
 ATTTTCAACAAGAGTGTGAACATCATGCACGACAAGTGGCAGCGCTGGCCTCAGAGGGC  
 AGCGCCAGACTGGACATGTTTGAACACATCAGCCTCATGACCTTGGACAGTCTGCAGAAA  
 TGTGTCTTCAGCTTTGAAAGCAATTGTCAGGAGAAGCCAGTGAATATATTGCCGCCATC  
 TTGGAGCTCAGTGCCTTTGTAGAAAAGAGAAACCAGCAGATTCTCTTGCACACGGACTTC  
 CTGATTTATCTACTCCTGATGGGCAGCGCTTCCGAGGGCCTGCCACCTGGTGACGAC  
 TTCACAGATGCCGTCATCCAGGAGCGGCCGCCACCTCCCCTCAGGGTATTGATGAT  
 TTCTCAAGAACAAGGCAAGTCCAAGACTTTAGACTTATTGATGTGCTTCTGCTGAGC  
 AAGGATGAAGTGGGAAGGAATTGTCTGATGAGGACATAAGAGCAGAAGCTGACACCTTC  
 ATGTTTGGAGGCCATGACACTACAGCCAGTGGTCTCTCTGGTCTATAACACCTTGCA  
 AAGCACCAGAATACCAGAACAGTGGCCGCAAGAAGTGAAGAGCTTCTGAAGGACCGT  
 GAACCTATAGAGATTGAATGGGACGACCTGGCCAGCTGCCCTTCTGACCATGTGCATT  
 AAGGAGAGCCTGCGGTTGCATCCCCCAGTCCCGGTCTCCTCCGATGTTGCACGCGGAC  
 TTTGTGCTCCAGACGGCCGCTCATCCCCAAAGGCATTGTCTGCCTCATCAATATTATC  
 GGGATCCATTACAACCAACTGTGTGGCCAGACCCTGAGGTCTACGACCCCTTCCGTTTC  
 AACCAAGAGAACATCAAGGAGAGGTACCTCTGGCTTTTATTCCCTTCTCGGCAGGGCCC  
 AGAAACTGCATCGGGCAGGCGTTCGCCATGGCTGAGATGAAGGTGGTCTGGCGCTCAGC  
 CTGCTGCACTTCCGCATCCTGCCAGCCACACTGAACCCCGCAGGAAACCCGAGCTGATA  
 TTGCGCGCAGAGGTGGACTTTGGCTGCGGGTGGAGCCCTGGGTGCGAACTCACAGTGA  
 CTGCCCTACCCACCCACCCTCTGTAGAGTCCAGAAAACAACTATGCTGACAAAAA  
 AAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_021187 unedited  
 GGAGTCGACAATTTGTAACGACTCACTATAGGCGGCCGCGATTCCCAGGNAATCGTCGA  
 CCCACGCTCCGGAGCAAAGACCTCCTACAGAGGGGAGAGGGGATGCCGCAGCTGAGC  
 CTGTCCTGGCTGGGCCTCGGGCCGCTGGCAGCATCCCCGTGGCTGCTTCTGCTGCTGGTT  
 GGGGGCTCCTGGCTCCTGGCCCGCTGCTGGCCTGGACCTACACCTTCTATGACAACCTGC  
 CGCCGCTCCAGTGTTCCTCAACCCCGAAACAGAAGTGGTTTTGGGGACACAGGGC  
 CTGGTCACTCCCACGGAAGAGGGCATGAAGACATTGACCCAGCTGGTGACCACATATCCC  
 CAGGGCTTTAAGTTGTGGCTGGGTCTACCTTCCCCTCCTCATTTTATGCCACCCTGAC  
 ATCATCCGGCCTATCACCAGTGCCTCAGCTGCTGTGCGACCCAAGGATATGATTTTCTAT  
 GGCTTCTGAAGCCCTGGCTGGGGATGGGCTCCTGCTGAGTGGTGGTGACAAGTGGAGC  
 CGCCACCCTCGGATGTTGACGCCTGCCTTCCATTTCAACATCTTGAAGCCTTATATGAAG  
 ATTTTCAACAAGAGTGTGAACATCATGCACGACAAGTGGCAGCGCTGGCCTCAGAGGGC  
 AGCGCCAGACTGGACATGTTTGAACACATCAGCCTCATGACCTTGGACAGTCTGCAGAAA  
 TGTGTCTTCAGCTTTGAAAGCATTGTGANGAGAAGCCAGTGAATATATTGCCGCATCT  
 TGGAGCTCAGTGCCTTTGTAGAAAAGAAAACCAGCAGATTCTCTTGCACACGGACTTCT  
 GTATTATCTACTCCTGATGGGCAGCGCTTTCGAGG

**Restriction Sites:** Please inquire  
**ACCN:** NM\_021187

<b>Insert Size:</b>	1700 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_021187.2</a> , <a href="#">NP_067010.2</a>
<b>RefSeq Size:</b>	3044 bp
<b>RefSeq ORF:</b>	1575 bp
<b>Locus ID:</b>	57834
<b>UniProt ID:</b>	<a href="#">Q9HBI6</a>
<b>Cytogenetics:</b>	19p13.12
<b>Protein Families:</b>	Druggable Genome, P450, Transmembrane
<b>Gene Summary:</b>	<p>This gene, CYP4F11, encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This gene is part of a cluster of cytochrome P450 genes on chromosome 19. Another member of this family, CYP4F2, is approximately 16 kb away. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) is the longer transcript.</p>