

Product datasheet for **SC317819**

CYP2W1 (NM_017781) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP2W1 (NM_017781) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYP2W1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317819 representing NM_017781.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCCTGCTGCTTTGCTGTTCTGGGCCTCCTGGGGCTCTGGGGCTGCTCTGCGCCTGCGCCCAA
GACCCCTCCCAGCTGCCGGTGGCCCCCGGGGCTCGCCCGCTCGCCGCTCGTGGGAACCTGCATTG
CTGCGTCTGTGCAACAGGACCGGTCCCTGATGGAGCTCTCAGAACGCTACGGGCCGGTGTTCACCGTG
CACCTGGGGCGCCAGAAGACGGTGGTGCTGACGGGTTTCAGGCGGTCAAAGAGGCGCTGGCGGGCCCC
GGGCAGGAGCTGGCCGACCGGCCTCCCATCGCCATCTTCCAGCTCATCCAGCGAGGTGGAGGCATCTTC
TTCTCATCTGGGGCGCGCTGGAGGGTGGCCGCCAGTTCACGGTGCCTGCCCTGCACAGCCTGGCGTG
GGCCGGGAGCCGGTGGCTGACAAGATTCTGCAGGAGCTGAAATGCCTCTCTGGCAGCTGGATGGCTAC
AGAGGCCGGCCCTCCCCTGGCCCTACTGGGCTGGGCTCCCTCAATATCACCTTCGCGCTCCTCTTC
GGCCGCCGATTTGACTACCGGGACCCCGTGTGGTGTCCCTGCTGGGTCTCATCGATGAGGTGATGGTC
CTTTGGGGTCCCCTGGCCTGCAGCTGTCAACGTCTACCATGGCTCGGGGCCCTGCTCCAGCTGCAC
CGGCCCTCTGCGCAAGATCGAGGAGTCCGTGCCATTCTGAGGACCCTCTGGAGGCGCGGAGGCC
CACGTGTGCCCGGGGACCCCGTGTGCAGCTATGTGGACGCCCTGATCCAGCAGGACAGGGGGATGAC
CCCAGGGCCTGTTTGTGAGGCCAACGCGGTGGCCTGCACCCTGGACATGGTCAATGGCCGGGACGGAG
ACGACCTCGGCCACGCTGCAGTGGGCCGCACTTCTGATGGGCCGGCACCCGGACGTGCAGGGCCGGGTG
CAGGAGGAGCTAGACCGGTGCTGGGCCCTGGCGGACTCCCCGGCTGGAGGACCAGCAGGCTTGCCC
TACACAAGCGCGTGCTCCACGAGGTGCAGCGTTCATCACGCTCCTGCCGACGTGCCCGCTGCACC
GGCGCCGACACAGCTGGCGGCTTCTGCTCCCCAAGGGCACGCCGTGATCCCCTGCTGACCTCG
GTGCTCCTGGATGAGACACAGTGGCAGACCCAGGCCAGTTCAACCCCGGCCATTTCTGGACGCGAAT
GGGCACCTTGTGAAGCGGGAGGCCTTCTGCTTCTCTGAGGCCGCCGCTGTGTGGGGAGCGC
CTGGCCAGGACCGAGCTTCTCTGCTGTTTGGCGCCTCTGCAGAGGTACCGCCTGCTGCCCCCGCT
GGCGTCAGTCCGGCTCCCTGGACACCACGCCCGCCGGGCTTTTACCATGAGGCCGAGGGCCAGGCC
CTGTGTGCGGTGCCAGGCCTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_017781
- Insert Size:** 1473 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).
- OTI Annotation:** 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.
- 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: [NM_017781.2](#)

RefSeq Size: 2354 bp

RefSeq ORF: 1473 bp

Locus ID: 54905

UniProt ID: [Q8TAV3](#)

Cytogenetics: 7p22.3

Protein Families: Druggable Genome, P450

MW: 53.8 kDa

Gene Summary: This gene 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. [provided by RefSeq, Jul 2008]