

Product datasheet for **SC321733**

CYP20A1 (NM_177538) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP20A1 (NM_177538) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYP20A1
Synonyms:	CYP-M
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_177538.1
 GGCCTGCTGCTGGAGCGGCCGATCCGAGACGTGGCTCCCTGGGCGGCAGAACCATGTTG
 GACTTCGCGATCTTCGCCGTTACCTTCTTGCTGGCGTTGGTGGGAGCCGTGCTCTACCTC
 TATCCGGCTTCCAGACAAGCTGCAGGAATTCCAGGGATTACTCCAACGAAGAAAAAGAT
 GGTAACTTCCAGATATTGTGAATAGTGAAGTTTGCATGAGTTCCTGGTTAATTTGCAT
 GAGAGATATGGGCCTGTGGTCTCCTTCTGGTTTGGCAGGCGCCTCGTGGTTAGTTTGGGC
 ACTGTTGATGTACTGAAGCAGCATATCAATCCAATAAGACATTGGACCCCTTTGAAACC
 ATGCTGAAGTCATTATTAAGGTATCAATCTGGTGGTGGCAGTGTGAGTGA AACACATG
 AGGAAAAAATTGTATGAAATGGTGTGACTGATTCTCTGAAGAGTAACTTTGCCCTCCTC
 CTAAGACTTTCCAGAAGAATTATTAGATAAATGGCTCTCCTACCCAGAGACCCAGCACGTG
 CCCCTCAGCCAGCATATGCTTGGTTTTGCTATGAAGTCTGTTACACAGATGGTAATGGGT
 AGTACATTTGAAGATGATCAGGAAGTCATTGCTTCCAGAAGAATCATGGCACAGTTTGG
 TCTGAGATTGGAAGGCTTTCTAGATGGGTCACTTGATAAAAACATGACTCGGAAAAAA
 CAATATGAAGATGCCCTCATGCAACTGGAGTCTGTTTTAAGGAACATCATAAAGAACGA
 AAAGGAAGGAACCTCAGTCAACATATTTTCATTGACTCCTTAGTACAAGGGAACCTTAAT
 GACCAACAGATCCTAGAAGACAGTATGATATTTCTCTGCCAGTTGCATAATAACTGCA
 AATTGTGTACCTGGGAATCTGTTTTTAACCACTCTGAAGAAGTTCAAAAAAATTA
 TATGAAGAGATAAACCAAGTTTTTGAAATGGTCTGTTACTCCAGAGAAAATTGAGCAG
 CTCAGATATTGTCAGCATGTGCTTTGTGAAACTGTTGCAACTGCCAAACTGACTCCAGTT
 TCTGCCAGTTTCAAGATATTGAAGGAAAAATTGACCGATTTATTATTCTAGAGAGACC
 CTCGTCCTTTATGCCCTTGGTGTGGTACTTCAGGATCCTAATACTTGGCCATCTCCACAC
 AAGTTTGATCCAGATCGGTTTGTGATGAATTAGTAATGAAACTTTTTCTCACTTGGG
 TTCTCAGGCACACAGGAGTCCAGAGTTGAGGTTTGCATATATGGTGACCACAGTACTT
 CTTAGTGTATTGGTGAAGAGACTGCACCTACTTTCTGTGGAGGGACAGGTTATTGAAACA
 AAGTATGAACTGGTAACATCATCAAGGGAAGAAGCTTGGATCACTGTCTCAAAGAGATAT
 TAAAAATTTATACATTTAAAAATCATTGTTAAATTTGATTGAGGAAAAACAACCATTTAAAA
 AAATCTATGTTGAATCCTTTTATAAACCAAGTATCACTTTGTAATATAAACACCTATTTGT
 ACTTAATTTTGTAAATTTGGATTTTATATATCATATTTTCTTAATTCATTGTACACATT
 TGACTTACTGCACAGTATATTGATCATTTTAATGGGAACTTTAGCTTTCTACTTTTTAT
 TTTTGTTTTTTCTACTTTCTATGCCATTATTTTGTATTCTTTTTCTTAGTGTGAGCTCT
 AAAATCAATGTTCTTGA AAAAGAAATTATTTGCAGAAGTTGGGGAATCATGTTTGTGGA
 ATATGTATAAAATAGAAACATAGGCTCGGCCTCCAGGGTGTCTCGATTGCAGACGTGAG
 CCACTGCGCCCGCCGTTGGCTTGCTTTCTAGATACTGGGAATAGATCTTGTTATAGTA
 TGTGATAAATAGATCTTGTATAGTATGTGATAAATGCCATGATCAAATAAATTACTTA
 TATCCTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_177538

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_177538.1](#), [NP_803882.1](#)

RefSeq Size: 2122 bp

RefSeq ORF: 1389 bp

Locus ID: 57404

UniProt ID: [Q6UW02](#)

Cytogenetics: 2q33.2

Protein Families: Druggable Genome, P450, Transmembrane

Gene Summary: This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein lacks one amino acid of the conserved heme binding site. It also lacks the conserved I-helix motif AGX(D,E)T, suggesting that its substrate may carry its own oxygen. [provided by RefSeq, Jul 2008]