

Product datasheet for **SC320883**

CYP39A1 (NM_016593) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP39A1 (NM_016593) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYP39A1
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_016593.3
 GGGGGAAGTGGAGGTGGGAGGGAGCGACAATGGAAAAATCACCTGAAAACCTGGGACAGAG
 GAAGGAAGCTACAGTTACGAAGGAGAGCTGCAAAAGTTGCAGCAGAAAAGGTTGGGAGTCC
 CGACAGGTTCCGTAGCCACAGAAAAGAAGCAAGGGACGGCAGGACTGTTTCACACTTTT
 CTGCTTCTGGAAGGTGCTGGACAAAACATGGAACATAATTTCCCAACAGTGATTATAAT
 CCTGGGTTGCCTTGCTCTGTTCTTACTCCTTCAGCCGAAGAATTTGCGTAGACCCCGTG
 CATCAAGGGCTGGATTCCTTGGATTGGATTGGATTTGAGTTTGGGAAAGCCCTCTAGA
 ATTTATAGAGAAAAGCAAGAATCAAGTATGGACCAATATTTACAGTCTTTGCTATGGGAAA
 CCGAATGACCTTTGTTACTGAAGAAGAAGGAATTAATGTGTTTCTAAAATCCAAAAAAGT
 AGATTTTGAAGTACAGTGCAAAATATCGTTTATCGTACAGCATCAATCCAAAGAATGT
 CTTTTTAGCACTGCATGAAAACTCTATATTATGTTGAAAGGGAAAATGGGGACTGTCAA
 TCTCCATCAGTTTACTGGCACTGACTGAAGAATTACATGAACAACCTGGAGAATTTAGG
 CACTCATGGGACAATGGACCTGAACAACCTAGTAAGACATCTCCTTTATCCAGTCACAGT
 GAATATGCTCTTTAATAAAAAGTTTGTTCACAAAACAAGAAAAAATCAAGGAGTTCCA
 TCAGTATTTTCAAGTTTATGATGAAGATTTTGGTATGGGTCCCAGTTGCCAGAGTGTCT
 TCTAAGAAAACCTGGTCAAAATCCAAAAAGTGGTTCTGGAAGTGTGGAGAAAACATTCC
 AGATATAAAAAGCATGTAATCTGCAAAAAGATAATTCATGACATTATTGCAAGCTACGCT
 GGATATTTAGAGACGGAAAACAAGTAAGGAAAACCTCACCAATTTATGGGCTCTTACTGCT
 TTGGGCTTCTCTGCTAATGCTGTTCTGTTGCATTTTGGACACTTGCACACGTCCTTTT
 TCATCCTGATATCCACAAGGCCATTATGGAAGGCATATCTTCTGTGTTTGGCAAAGCAGG
 CAAAGATAAGATTAAGTGTCTGAGGATGACCTGGAGAATCTCCTTCTAATTAATGGTG
 TGTTTGGAAACCATTGTTTAAAAGCTCCTGGTGTCTTACTAGAAAAGTGGTGAAGCC
 TGTGAAAATTTGAATTACATCATTCTTCTGGTACTTGTGATGTTGCTCCATTTTG
 GCTGCATAGAAAATCCAAAGTATTTTCTGAGCCTGAATTGTTCAAACCTGAACGTTGGAA
 AAAGGCAATTTAGAGAAGCACTCTTTCTGGACTGCTTCATGGCATTGGAAAGCGGAA
 GTTCCAGTGTCTGCAAGGTGGTTTCTGCTGTTAGAGGTTGAGATGTGATTATTTTAAT
 ACTTTATAAATATGACTGTAGTCTTCTGGACCCATTACCCAAACAGAGTTATCTCCATTT
 GGTGGGTGTCCCCAGCCGGAAGGGCAATGCCGAATTGAATATAAACAAGAATATGACA
 TCTGTTGGGCTCACAAGGACCAGGGCCTTCTGGAGGAGTGGCACTACCCACCTGGCAG
 CACCTAGACCTGAGCTCTACAAAACACACTGCTTCACTTTGTTTTAGGACTTAGTTCAA
 GAACACATTCAAATGGTGCATGTGTTTGGTATCTTCAACAGTAGACCAAGAACTAACAT
 CACTCTCAGTAATATAGAGACCGGAATACATGGTTTATAGGAAATGATCAATGATCCAA
 AAAAATCCACATTTTTTAAAGAAGTTGGAATTTGATTTCAATGCATAACTGTATTAACA
 TTAATAGAAAATATGTCATTTGAATGAAAATCTTATCACATTAATTCAGTGTGAAGGC
 AGCATACTTAAATTTTTATTTGAAAAGTCTAAAAGGCTTAGATTTTTAAATTTAATAA
 TTATTTCTACAAATTTTCTATTTTCTTGGAGTATTCTCAACTAGCAATTTGAACTCCT
 AGGCTCTATTAACATAATTCTTTATTGTAACGTATCTAATGCTAAAAGTAAATAAATGG
 TAGTTTTCTGAGACCTGCGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016593

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:	<ol style="list-style-type: none">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_016593.3 , NP_057677.2
RefSeq Size:	2288 bp
RefSeq ORF:	1410 bp
Locus ID:	51302
UniProt ID:	Q9NYL5
Cytogenetics:	6p12.3
Domains:	p450
Protein Families:	Druggable Genome, P450, Transmembrane
Protein Pathways:	Primary bile acid biosynthesis
Gene Summary:	<p>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. This endoplasmic reticulum protein is involved in the conversion of cholesterol to bile acids. Its substrates include the oxysterols 25-hydroxycholesterol, 27-hydroxycholesterol and 24-hydroxycholesterol. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>