

## Product datasheet for **SC211305**

### **CYP1A1 (NM\_000499) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CYP1A1 (NM\_000499) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CYP1A1  
**Synonyms:** AHH; AHRR; CP11; CYP1; CYP1A1; P1-450; P450-C; P450DX  
**ACCN:** NM\_000499  
**Insert Size:** 977 bp  
**Insert Sequence:** >SC211305 3'UTR clone of NM\_000499  
The sequence shown below is from the reference sequence of NM\_000499. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAGCACTTCCAAATGCAGCTGCGCTCTTAGGTGCTTGAGAGCCCTGAGGCCTAGACTCTGTCTACCTGG
TCTGGTTGGGCAGCCAGACCAGCAGGCTGGCCTATGTGGTCTAAGGTTTCAGCCTGAAACTCATAGACAC
TGATCTGGCTGCAGTTTTGCTATCTGGGCTGTGGGCAAGCCTAAGGGATCCTGCCTGCCCTACCCTGG
ACTTGCCTCTGCACACCCTCCAGAGACAACAGGTAACAGGGCCACATAGATGCTGATGGAGCCTTCC
CAAGTTGTGCTTGAGCCAGGAGGCTGCTAGGGTTAGGAGGTCCTTAGGCCTCTGAGAAGCTCTGAAGA
ACTCTCTGGAAGCCCCTGGGCCAGTACCTAGCTGGCTCTGTGAGGGTGCTGACTGGCTTCAGCAAGTT
AGAAGTACGCAAAACCAGGACCCTGTCCAATCTTTGACAATTGGGAGCTGCCAAGAGTGAAGGGAAGAGA
CAGCCCAGGATACTGGCACAGAGGTAGTCTCACTGCTTGAAGTGGCTGAGCAATCTGACCCTATGGGT
CTAGGACACAGTTCCTGGGAACATCACATTCCTCTGCCCTTCCTGCAGGCAGGAACAAACAGGGCTGCC
TTCTGGCCTTGTAAGACCCTTATTGCTGTCTGGAGGGGCTGGGGACTTGTGTCTGCGGGGATCAGAGC
GCACAGGGAGTGACATATCCAGGCACCAGGACTAGGGCTGGAGTGAGGGGGGGTATTTCAATTACCT
TCTATTGGTCTCCCTTCTCTACACTCTTGTAAATAAAATGTCTATTTTTAATGTTGTACACAACAATCC
TTCTATTCTAGCCTGCATTGAGCTTGATGCTTGACATAAGAGCTTAAGAACCATTGATTTAATGTAATA
GGGAAAATTCTAACCCAGGTATCCAAAAATGTGTAAGAACAACACTACCTGAGCTAAATAAAGATATTGTT
CAGAAATCCTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_000499.5</a>
<b>Summary:</b>	This gene, CYP1A1, 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 protein localizes to the endoplasmic reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. The gene has been associated with lung cancer risk. A related family member, CYP1A2, is located approximately 25 kb away from CYP1A1 on chromosome 15. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jan 2016]
<b>Locus ID:</b>	1543
<b>MW:</b>	35.9