

## Product datasheet for **SC220331**

### **CYP1B1 (NM\_000104) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	CYP1B1 (NM_000104) Human 3' UTR Clone
Symbol:	CYP1B1
Synonyms:	ASGD6; CP1B; CYP1B1; GLC3A; P4501B1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000104
Insert Size:	2000 bp



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**Insert Sequence:** >SC220331 3'UTR clone of NM\_000104  
 The sequence shown below is from the reference sequence of NM\_000104. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AATTTACAAGCCAAGGAACTTGCCAATAAGAAGCAAGAGCAAGCTGAAATTTAGAAATATTCACAT
CTTCGGAGATGAGGAGTAAAATTCAGTTTTTTTCCAGTTCCTCTTTGTGCTGCTTCTCAATTAGCGTT
TAAGGTGAGCATAAATCAACTGTCCATCAGGTGAGGTGTGCTCCATACCCAGCGTTCTTCATGAGTAG
TGGGCTATGCAGGAGCTTCTGGGAGATTTTTTGTGAGTCAAAGACTTAAAGGGCCAATGAATTATTATA
TACATACTGCATCTTGGTTATTTCTGAAGGTAGCATTCTTTGGAGTTAAAATGCACATATAGACACATA
CACCCAAACACTACACCAAACACTGAATGAAGCAGTATTTGGTAACCCAGGCCATTTTTGGTGGGAA
TCCAAGATTGGTCTCCATATGCAGAAAAGACAAAAAGTATATTAACAAAGTTTCAGAGTATATTGT
TGAAGAGACAGAGACAAGTAATTTCAAGTGTAAAGTGTGTGATTGAAGGTGATAAGGGAAAAGATAAAGA
CCAGAAATTCCTTTTCCCTTTTCCAGGAAAATAACTTAGACTCTAGTATTTATGGGTGGATTTATCCT
TTTGCCTTCTGGTATACTTCTTACTTTTAAAGGATAAATCATAAAGTCAGTTGCTCAAAAAGAAATCAA
TAGTTGAATTAGTGAGTATAGTGGGGTCCATGAGTTATCATGAATTTTAAAGTATGCATTATTAAT
GTAAAACCTCCAAGGTGATGTTGTACCTCTTTTGTCTGGCAAAGTACAGAAATTTGAATTATCAGCAAAGA
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GCAACCAAGTGTGCTAAAAATGAGCTTGATTAATCAACCCTATTTTTGACATGGAAATGAAGCAGG
GTTTCTTTTCTTCACTCAAATTTTGGCGAATCTCAAATTAGATCCTAAGATGTGTTCTTATTTTTATA
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ATTCCAAATTCATGGCATGCTTAAATTTTAACTAAATTTTAAAGCCATTCTGATTATTGAGTTCAGTT
GAAGTTAGTGAAATCTGAACATTTCTCCTGTGGAAGGCAGAGAAATCTAAGCTGTGTCTGCCAATGAA
TAATGGAAAATGCCATGAATTACCTGGATGTTCTTTTACGAGGTGACAAGAGTTGGGGACAGAACTCC
CATTACAACCTGACCAAGTTTCTTCTAGATGATTTTTTAAAAGTTAACATTAATGCCTGCTTTTTGGA
AAGTCAGAAATCAGAAGATAGTCTTGAAGCTGTTTGGAAAAGACAGTGGAGATGAGGTGAGTTGTGTTT
TTTAAAGATGGCAATTACTTTGGTAGCTGGGAAAGCATAAAGCTCAAATGAAATGTATGCATTACATTT
AGAAAAGTGAATTGAAGTTTCAAGTTTTAAAGTTCATTGCAATTAACCTCCAAAGAAAGTTCTACAGT
GTCTTAAGTGCTAAGTGCTTATTACATTTTATTAAGCTTTTTTGGAAATCTTTGTACCAAAATTTTAAAA
AGGGAGTTTTTGTAGTTGTGTGTATGTGTGTGGGGTGGGGGATGGTAAGAGAAAAGAGAGAAAACA
CTGAAAAGAAGGAAAGATGGTTAAACATTTTCCACTCATTCTGAATTAATTTGGAGCACAAAAT
TCAAAGCATGGACATTTAGAAGAAAGATGTTTGGCGTAGCAGAGTTAAATCTCAAATAGGCTATTTAA
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** 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).

**Components:** 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.

**RefSeq:** [NM\\_000104.4](#)

**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. The enzyme encoded by this gene localizes to the endoplasmic reticulum and metabolizes procarcinogens such as polycyclic aromatic hydrocarbons and 17beta-estradiol. Mutations in this gene have been associated with primary congenital glaucoma; therefore it is thought that the enzyme also metabolizes a signaling molecule involved in eye development, possibly a steroid. [provided by RefSeq, Jul 2008]

**Locus ID:**

1545

**MW:**

78.6