

## Product datasheet for **SC203403**

### Cytochrome P450 2A6 (CYP2A6) (NM\_000762) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome P450 2A6 (CYP2A6) (NM_000762) Human 3' UTR Clone
Symbol:	Cytochrome P450 2A6
Synonyms:	CPA6; CYP2A; CYP2A3; CYP11A6; P450C2A; P450PB
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000762
Insert Size:	285 bp
Insert Sequence:	>SC203403 3'UTR clone of NM_000762 The sequence shown below is from the reference sequence of NM_000762. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site
	GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA <b>GCGATCGCC</b> AACTACACCATGAGCTTCTGCCCGCT <b>TGA</b> GCGAGGGCTGTGCCGGTGCAGGTCTGGTGGGCGGGGCCA GGGAAAGGGCAGGGCCAAGACCGGGCTTGGGAGAGGGGCGCAGCTAAGACTGGGGCAGGATGGCGGAA AGGAAGGGGCGTGGTGGCTAGAGGGAAGAGAAGAAACAGAAGCGGCTCAGTTCACCTTGATAAGGTGCT TCCGAGCTGGGATGAGAGGAAGGAAACCCTTACATTATGCTATGAAGAGTAGTAATAATAGCAGCTCTT ATTCCTGA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
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:	<u><a href="#">NM_000762.6</a></u>



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**Summary:**

This gene, CYP2A6, 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 phenobarbital. The enzyme is known to hydroxylate coumarin, and also metabolizes nicotine, aflatoxin B1, nitrosamines, and some pharmaceuticals. Individuals with certain allelic variants are said to have a poor metabolizer phenotype, meaning they do not efficiently metabolize coumarin or nicotine. This gene is part of a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. The gene was formerly referred to as CYP2A3; however, it has been renamed CYP2A6. [provided by RefSeq, Jul 2008]

**Locus ID:** 1548

**MW:** 10.3