

## Product datasheet for **SC206853**

### **CYP21A2 (NM\_001128590) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CYP21A2 (NM\_001128590) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CYP21A2  
**Synonyms:** CA21H; CAH1; CPS1; CYP21; CYP21B; P450c21B  
**ACCN:** NM\_001128590  
**Insert Size:** 538 bp  
**Insert Sequence:** >SC206853 3'UTR clone of NM\_001128590  
The sequence shown below is from the reference sequence of NM\_001128590. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGGGCCACAGCCCGGGCCAGAGCCAGTGA TGGGGCAGGACCGATGCCAGCCGGTACCTCAGTTTCTC
CTTTATTGCTCCCGTACGAACCCCTCCCCTCCCCCTGTAACACAGTGCTGCGAGATCGTGCCAGAG
AAGGCTTCTCCAGCGGCTGGGTGGTGAAGGACCCTGGCTCTTCTCTCGGGCGACCCCTCAGTGCTCG
GCAGTCATACTGGGTGCGAGAGAGGTGGCAGCAGCTCAGCCTCCCCCGCTGGGGAGCGAAAGTTTC
TTGGTCTCAGCTTCATTTCCGTGAAGGGCACCGAGAAGCTCGAAGCCCTTCCAGTGGTACCAGCTCACTC
CCTGGGAAAGGGTTGTCAAGAGAGAGTCAAAGCCGGATGTCCCATCTGCTCTTCCCGTTCCCTTAAG
GAGGTAGCTCCCAGCACTCAACCAACCTCCCCGCAGAGCTCCCTTCTGACCCTCCGCTGCAGAGGATT
GAGGCTTAATTCTGAGCTGGCCCTTCCAGCCAATAAATCAACTCCAGCTCCCTC
ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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:** [NM\\_001128590.4](#)



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**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. This protein localizes to the endoplasmic reticulum and hydroxylates steroids at the 21 position. Its activity is required for the synthesis of steroid hormones including cortisol and aldosterone. Mutations in this gene cause congenital adrenal hyperplasia. A related pseudogene is located near this gene; gene conversion events involving the functional gene and the pseudogene are thought to account for many cases of steroid 21-hydroxylase deficiency. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

1589

**MW:**

18.7