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Product datasheet for SC206852

CYP21A2 (NM_000500) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CYP21A2 (NM_000500) Human 3' UTR Clone
Symbol:	CYP21A2
Synonyms:	CA21H; CAH1; CPS1; CYP21; CYP21B; P450c21B
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000500
Insert Size:	540 bp
Insert Sequence:	>SC206852 3'UTR clone of NM_000500 The sequence shown below is from the reference sequence of NM_000500. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GGGGCCCACAGCCCGGGCCAGAGCCAGTGATGGGGCAGGACCGATGCCAGCCGGGTACCTCAGTTTCTC CTTTATTGCTCCCGTACGAACCCCTCCCCTCCCCCCTGTAAACACAGTGCTGCGAGATCGCTGGCAGAG AAGGCTTCCTCCAGCGGCTGGGTGGTGAAGGACCCTGGCTCTTCTCTCGGGGCGACCCCTCAGTGCTCG GCAGTCATACTGGGGTGCGAGAGAGGTGGGCAGCAGCTCAGCCTCCCCCCGCTGGGGAGCGAAAGTTTC TTGGTCTCAGCTTCATTTCCGTGAAGGGCACCGAGAACTCGAAGCCCTTCCAGTGGTACCAGCTCACTC CCTGGGAAAGGGGTTGTCAAGAGAGAGTCAAAGCCGGATGTCCCATCTGCTCTTCCCGTTCCCCTTAAG GAGGTAGCTCCCAGCACTCAACCAACCTCCCCGCAGAGCTCCCTTCCTGACCCTCCGCTGCAGAGGATT GAGGCTTAATTCTGAGCTGGCCCTTTCCAGCCAATAAATCAACTCCAGCTCCCTCTG ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
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).

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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_000500.9

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: 18.8