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Product datasheet for SC202153

Cytochrome P450 17A1 (CYP17A1) (NM_000102) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome P450 17A1 (CYP17A1) (NM_000102) Human 3' UTR Clone
Symbol:	Cytochrome P450 17A1
Synonyms:	CPT7; CYP17; P450C17; S17AH
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000102
Insert Size:	201 bp
Insert Sequence:	>SC202153 3'UTR clone of NM_000102 The sequence shown below is from the reference sequence of NM_000102. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGGGAAGCCCAGGCTGAGGGTAGCACCTAAAGGCTGTAACTCACAGCCCCTGTCCACCCTATGTGGCCC CACAACACAGATTTAGAGATACAACCCCCCACCCTTCTCCGCCATTCTTCCCTACTCCCAACCCACTCT GCCTTCTTTTTCAGCTTGTGGCAATGCCAGTGATGTGCATAAACAGTTTTTTTTTTTCCATAA 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).
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_000102.4

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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. It has both 17alpha-hydroxylase and 17,20-lyase activities and is a key enzyme in the steroidogenic pathway that produces progestins, mineralocorticoids, glucocorticoids, androgens, and estrogens. Mutations in this gene are associated with isolated steroid-17 alpha-hydroxylase deficiency, 17-alpha-hydroxylase/17,20-lyase deficiency, pseudohermaphroditism, and adrenal hyperplasia. [provided by RefSeq, Jul 2008]

Locus ID: 1586

MW: 7.6