

Product datasheet for **SC202479**

CYP11A1 (NM_000781) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CYP11A1 (NM_000781) Human 3' UTR Clone
Symbol:	CYP11A1
Synonyms:	CYP11A; CYPXIA1; P450SCC
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000781
Insert Size:	240 bp
Insert Sequence:	>SC202479 3'UTR clone of NM_000781 The sequence shown below is from the reference sequence of NM_000781. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC CCCTTTAACAGGAAGCAACCCAGCAG TGAT CAGAGAGGATGGCCTGCAGCCACATGGGAGGAAGGCC AGGGGTGGGGCCCATGGGTCTCTGCATCTTCAGTCGTCTGTCCCAAGTCTGCTCTTTTGTGCCAGC CTGCTCAGCAGGTTGAATGGGTTCTCAGTGGTCACCTTCCTCAGCTCAGCTGGGCCACTCCTCTTACC CACCCCATGGAGACAATAAACAGCTGAACCATG ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u>NM_000781.3</u>



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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 mitochondrial inner membrane and catalyzes the conversion of cholesterol to pregnenolone, the first and rate-limiting step in the synthesis of the steroid hormones. Two transcript variants encoding different isoforms have been found for this gene. The cellular location of the smaller isoform is unclear since it lacks the mitochondrial-targeting transit peptide. [provided by RefSeq, Jul 2008]

Locus ID:

1583

MW:

8.5