

Product datasheet for **SC200791**

Cytochrome P450 3A5 (CYP3A5) (NM_000777) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome P450 3A5 (CYP3A5) (NM_000777) Human 3' UTR Clone
Symbol:	Cytochrome P450 3A5
Synonyms:	CP35; CYP3A5; P450PCN3; PCN3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000777
Insert Size:	141 bp
Insert Sequence:	>SC200791 3'UTR clone of NM_000777 The sequence shown below is from the reference sequence of NM_000777. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC TCAAGAGATGGAACCCTAAGTGGAGAA TGA GTTATTCTAAGGATTCTACTTTGGTCTTCAAGAAAGCT GTGCCCCAGAACACCAGAGATTTCAACTTAGTCAATAAAACCTTGAAATAAAGATGGGCTTAATCTAAT GTA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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>NM_000777.5</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. The encoded protein metabolizes drugs as well as the steroid hormones testosterone and progesterone. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Two pseudogenes of this gene have been identified within this cluster on chromosome 7. Expression of this gene is widely variable among populations, and a single nucleotide polymorphism that affects transcript splicing has been associated with susceptibility to hypertension. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]

Locus ID:

1577

MW:

5.3