

## Product datasheet for **SC212797**

### Cytochrome P450 3A4 (CYP3A4) (NM\_017460) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome P450 3A4 (CYP3A4) (NM_017460) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CYP3A4
Synonyms:	CP33; CP34; CYP3A; CYP3A3; CYP11A3; CYP11A4; HLP; NF-25; P450C3; P450PCN1; VDDR3
ACCN:	NM_017460
Insert Size:	1196 bp
Insert Sequence:	>SC212797 3'UTR clone of NM_017460

The sequence shown below is from the reference sequence of NM\_017460. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCAAGGGATGGCACCCTAAGTGGAGCCTGATTTTTCTTAAGGACTTCTGCTTTGCTCTTCAAGAAATCT
GTGCCTGAGAACCAGAGACCTCAAATTACTTTGTGAATAGAATCTGAAATGAAGATGGCTTTCATC
CAATGGACTGCATAAATAACCGGGGATTCTGTACATGCATTGAGCTCTCTCATTGTCTGTGTAGAGTGT
TATACTTGGGAATATAAAGGAGGTGACCAATCAGTGTGAGGAGGTAGATTTGGCTCCTCTGCTTCTCA
CGGGACTATTTCCACCACCCCAAGTTAGCACCATTAACTCCTCTGAGCTCTGATAAGAGAATCAACAT
TTCTCAATAATTTCTCCACAAATTATTAATGAAAATAAGAATTATTTTGTGGCTCAACAATGACAT
TTATATCACATGTTTTCTCTGGAGTATTCTATAAGTTTTATGTTAAATCAATAAAGACCACTTTACAAA
AGTATTATCAGATGCTTTCCTGCACATTAAGGAGAAATCTATAGAATGAATGAGAACCAACAAGTAAA
TATTTTTGGTCATTGTAATCACTGTTGGCGTGGGGCCTTTGTGAGAACTAGAATTTGATTATTAACATA
GGTAAAAGTTAATCCACTGTGACTTTGCCATTGTTTAAAGAAATATTCATAGTTTAAATATGCCTTT
TTTGATCAGGCACAGTGGCTCACGCCTGTAACTTAGCAGTTTGGGAGGCTGAGCCGGGTGGATCGCCT
GAGGTCAGGAGTTCAAGCAAGCCTGGCCTACATGGTTGAAACCCCATCTCTACTAAAAATACACAAT
TAGCTAGGCATGGTGGACTCGCCTGTAATCTCACTACACAGGAGGCTGAGGCAGGAGAATCACTTGAAAC
CTGGGAGGCGGATGTTGAAGTGAAGTGCAGATTGCACCACTGCACTCCAGTCTGGGTGAGAGTGAGACTC
AGTCTTAAAAAATATGCCTTTTTGAAGCACGTACATTTTGAACAAAGAATGAAGCTCTTATTATAT
TATTAGTTTTGATTTAATGTTTTAGCCCATCTCCTTTTCAATTTCTGGGAGACAGAAAACATGTTTCC
CTACACCTTTGCATTCCATCCTCAACACCAACTGTCTCGATGCAATGAACACTTAATAAAAAACAGT
CGATTGGTCAATTGATTGAGCAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_017460.6</a>
<b>Summary:</b>	This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced by glucocorticoids and some pharmacological agents. This enzyme is involved in the metabolism of approximately half the drugs in use today, including acetaminophen, codeine, cyclosporin A, diazepam, erythromycin, and chloroquine. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2020]
<b>Locus ID:</b>	1576
<b>MW:</b>	46.4