

Product datasheet for **SC215362**

Cytochrome P450 2B6 (CYP2B6) (NM_000767) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome P450 2B6 (CYP2B6) (NM_000767) Human 3' UTR Clone
Symbol:	Cytochrome P450 2B6
Synonyms:	CPB6; CYP2B; CYP2B7; CYP2B7P; CYP2B6; EFVM; IIB1; P450
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000767
Insert Size:	1601 bp



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Insert Sequence: >SC215362 3'UTR clone of NM_000767
The sequence shown below is from the reference sequence of NM_000767. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ACATACCAGATCCGCTTCTGCCCGCTGAAGGGCTGAGGGAAGGGGTCAAAGGATTCCAGGGTCAT
TCAGTGTCCCGCCTCTGTAGACAATGGCTCTGACTCCCGCAACTTCTGCCTCTGAGAGACCTGCTA
CAAGCCAGCTTCTTCCCTCCATGGCACCAGTTGTCTGAGGTACATTGCAAGTGAGTGCAGGAGTGA
GATTATCGAAAATTATAATACAAAATCATATATATATATGTTCTTGTGTTTTTGTAGACAGAGTCTC
ACACTGTTGCCAGGCTGGAGTGCAGTGGCGTGATCTCGGCTCACTGCAACCTCCACCCCGGGGATCA
AGCAACTCTCCTGCCTCAGCCTCCCTAGTGGGATTACAGGCATGCACTACCACGCTGGCTAATT
TTTGATTTTTTAGTAGAGATGGGGTTTCACTGTGTAGGCCAGGCTGGTCTCGAACTCCTGAACTCAAGT
GATTCACCCACCTTAGCCTCCCAAGTGCTGGGATTACAGGCGTGAGTACCGTGCCAGCCATGTATA
TATATAATTTTAAAAATTAAGCTGAAATTCACATAACATAAAATTAAGCTGTTTTAAAGTGTAATTTTA
GTGGCGTGTGGTTCATTACAAAGCTGTACAACCACCACCATCTAGTTCCAAACATTTTCTTTTTTCT
GAGATGGAGTCTCACTCTGTACCCAGGTTTCAGTTTCAGTGGTGCCATCTCTGTCCACTGCAACCTCCA
CATCCTGGGTTCAAGTGATTCTCCTGCCTCAGCCTCTGGAGGAGCTGGTATCACAGGCGTCCCCACCA
CGCCTGGCTAAATTTTGTATTTTGGTGGTCTTGAACCTCTGATGTCAGGTGATTCTCCTAGCTCCAA
ATGTTTTTCATTATCTCTCCCCAACAAAACCCATACCTATCAAGTGTCACTCCCATACCCATTCTC
TTTTTCATCTCGGCCCTGTCAATCTGGTTTTTGTCACTATGGACTTACCAATTCTGAATATTTCCCAT
AAACAGAATCATACAATATTTGATTTTTTTTTTTTTTTTGAACCTAAGCCTTGCTGTCTCCAGGCT
GGAGTGCTATGGTGCAATTTTTTGTCTCACTGCAACCTCTGCCTTCCAAGATCAAGAGATTCTCCAGTCTC
AGCTCCCAAGTAGCTGGGATTACAGGCATGTACTACCATGCCTGGCTAATTTTCTGTAGTTTTAGTAG
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GCTGATATTACAGGCATAATATGTGATCTTTGTGTCTGGTTGCTTTTATGTTGAATGCTATTTTGTAG
GTTTCATGCCTGTTGTAGACCACAGTCACACACTGCTGTAGTCTTCCCAAGTCTCATTCCAGCTGCCT
CTTCTACTGCTTCCGTCTATCAAAAAGCCCCCTTGGCCAGGTTCCCTGAGCTGTGGGATTCTGCACT
GGTGCTTTGGATTCCCTGATATGTTCTTCAAATCTGCTGAGAATTAATAAACATCTCTAAAGCCTGA
CCTCCCCACGTCAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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_000767.5

Summary:

This gene, CYP2B6, 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 its expression is induced by phenobarbital. The enzyme is known to metabolize some xenobiotics, such as the anti-cancer drugs cyclophosphamide and ifosphamide. Transcript variants for this gene have been described; however, it has not been resolved whether these transcripts are in fact produced by this gene or by a closely related pseudogene, CYP2B7. Both the gene and the pseudogene are located in the middle of a CYP2A pseudogene found in a large cluster of cytochrome P450 genes from the CYP2A, CYP2B and CYP2F subfamilies on chromosome 19q. [provided by RefSeq, Jul 2008]

Locus ID:

1555

MW:

59.5