

Product datasheet for **SC208711**

CYP7B1 (NM_004820) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CYP7B1 (NM_004820) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CYP7B1
Synonyms:	CBAS3; CP7B; SPG5A
ACCN:	NM_004820
Insert Size:	2000 bp



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Insert Sequence: >SC208711 3'UTR clone of NM_004820
 The sequence shown below is from the reference sequence of NM_004820. 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
GTTTTATTAGATACAAAGTGAATCTTAGAGAAGCTAAAAGGAAAGAAAATAAATCTATCAAATAC
CCTAAACATCCTAAGCTCATCTATTTCTTTTAAATTTCTGCAAATGTAATTGATTATTTGTTAAAAA
GCGCTAATTTCTATTTGATCTGATATCAGTCCAGTTTGCCTTAGTCACAAAGCCCATCATAATATAAA
ACAGGATGGTGGCAGGAAAATGGACATCAAATCAACTTAAGGGTAGGCTCAAAACAGGGTTGTTGTTG
TTTTTTAGTTTCTCCTGTTGTGATTTTACCTGTTATAATAAATGTACCTTACACCAATAGATTGG
GCACTGTGGAATTTAAATCACTCAAATGTTCTCTAATATGTAATAATCACTTTGAACTACTAGAAAA
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TCCTTATTAATTTGTATACTATGGCTCAATAGAACAAAATTTCTGGTTACATAAGACCTTTCATGTTCA
AGTTAGATACTGATAAGATTTAATGTATAAGAAAAACAGAACCTATTATATATTCAGAAATGGCCCTA
GACATTAGTATTAGGTTTATTATGGGAGCAAAATGTTGAAATAATTACAGCATTGATTATATCATTGGC
TTTAGTATAAACTATACAGGTTATGCAAATATTGCAATTAACCCTTTCCTAAATGCTTTCATATATA
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TTTGTGGATGCACAAATCTAGATTGACAGTTATTTCTCACAGCACTTTGAAGATATTGCCGTTCTT
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TTGCATGCTCTGCTGCTTCTTGAATCTGAGCACAGGTGTCTCCATCAAGTATGGAATCTTCTCAGCCA
TTCTCTCTGTGAATATTACTGTTCTCACACTCTACATTAGATCCTCTCACTCTACATACCTTTGAT
CTTTTCTCACCACACTTTGTATCTTAACCTTCACTCCATGTAATTTCTTTAGATGTCTTCCAGTTT
CTTCTTTGAACAGTATATCTAATCTCTCAACTCATCCACTGAGTTTGTTTTTCTTCTTTTGTTT
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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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: [NM_004820.5](#)

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 endoplasmic reticulum membrane protein catalyzes the first reaction in the cholesterol catabolic pathway of extrahepatic tissues, which converts cholesterol to bile acids. This enzyme likely plays a minor role in total bile acid synthesis, but may also be involved in the development of atherosclerosis, neurosteroid metabolism and sex hormone synthesis. Mutations in this gene have been associated with hereditary spastic paraplegia (SPG5 or HSP), an autosomal recessive disorder. [provided by RefSeq, Apr 2016]

Locus ID:

9420

MW:

76.6