CYP2S1 cDNA Clone – Cytochrome P450, Family 2, Subfamily S, Polypeptide 1 (Human)

PRODUCT OVERVIEW

Product Name	CYP2S1, cDNA Clone
Full Product Name	CYP2S1 cDNA Clone
Product Gene Name	CYP2S1 cdna clone
Sequence	atggaggcga ccggcacctg ggcgctgctg ctggcgctgg cgctgctcct gctgctgacg ctggcgctgt ccgggaccag ggcccgaggc cacctgcccc ccgggcccac gccgctacca ctgctgggaa acctcctgca gctacggccc ggggcgctgt attcagggct catgcggctg agtaagaagt acggaccggt gttcaccatc tacctgggac cctggcggcc tgtggtggtc ctggttgggc aggaggctgt gcgggaggcc ctgggaggtc aggctgagga gttcagcggc cggggaaccg tagcgatgct ggaagggact tttgatggcc atggggtttt cttctccaac ggggagcggt ggaggcagct gaggaagttt accatgcttg ctctgcggga cctgggcatg gggaagcgag aaggcgagga gctgatccag gcggaggccc ggtgtctggt ggagacattc caggggacag aaggacgccc attcgatccc tccctgctgc tggcccaggc cacctccaac gtagtctgct ccctcctctt tggcctccgc ttctcctatg aggataagga gttccaggcc gtggtccggg cagctggtgg taccctgctg ggagtcagct cccaggggag tcagacctac gagatgttct cctggttcct gcggcccctg ccaggccccc acaagcagct cctccaccac gtcagcacct tggctgcctt cacagtccgg caggtgcagc agcaccaggg gaacctggat gcttcgggcc ccgcacgtga ccttgtcgat gccttcctgc tgaagatggc acaggaggaa caaaacccag gcacagaatt caccaacaag aacatgctga tgacagtcat ttatttgctg tttgctggga cgatgacggt cagcaccacg gtcggctata ccctcctgct cctgatgaaa taccctcatg tccaaaagtg ggtacgtgag gagctgaatc gggagctggg ggctggccag gcaccaagcc taggggaccg tacccgcctc ccttacaccg acgcggttct gcatgaggcg cagcggctgc tggcgctggt gcccatggga ataccccgca ccctcatgcg gaccacccgc ttccgagggt acaccctgcc ccagggcacg gaggtcttcc ccctccttgg ctccatcctg catgacccca acatcttcaa gcacccagaa gagttcaacc cagaccgttt cctggatgca gatggacggt tcaggaagca tgaggcgttc ctgcccttct ccttagggaa gcgtgtctgc cttggagagg gcctggcaaa agcggagctc ttcctcttct tcaccaccat cctacaagcc ttctccctgg agagcccgtg cccgccggac accctgagcc tcaagcccac cgtcagtggc cttttcaaca ttccccccagc cttccagctg caagtccgtc ccactgacct tcactccacc acgcagacca gatga
Molecular Weight	62,231 Da
OMIM	611529
Vector	Please Inquire
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CYP2S1 cdna clone	MBS1278481 is a cDNA clone targeting CYP2S1.
Other Notes	Small volumes of CYP2S1 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYP2S1. It may not necessarily be applicable to this product.

NCBI GI #	21707057
NCBI GeneID	29785
NCBI Accession #	BC033691
UniProt Secondary Accession #	Q9BZ66
UniProt Related Accession #	Q96SQ9
NCBI Official Full Name	Homo sapiens cytochrome P450, family 2, subfamily S, polypeptide 1, mRNA
NCBI Official Synonym Full Names	cytochrome P450 family 2 subfamily S member 1
NCBI Official Symbol	CYP2S1
NCBI Official Synonym Symbols	CYPIIS1

UniProt Protein Name	Cytochrome P450 2S1
UniProt Synonym Protein Names	CYPIIS1
Protein Family	Cytochrome
UniProt Gene Name	CYP2S1
UniProt Entry Name	CP2S1_HUMAN
NCBI Protein Information	cytochrome P450 2S1
NCBI Summary for CYP2S1	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 endoplasmic reticulum. In rodents, the homologous protein has been shown to metabolize certain carcinogens; however, the specific function of the human protein has not been determined. [provided by RefSeq, Jul 2008]
UniProt Comments for CYP2S1	CYP2S1: Has a potential importance for extrahepatic xenobiotic metabolism. Belongs to the cytochrome P450 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Xenobiotic Metabolism - metabolism by cytochrome P450; Oxidoreductase; EC 1.14.14.1 Chromosomal Location of Human Ortholog: 19q13.1 Cellular Component: endoplasmic reticulum; endoplasmic reticulum membrane Molecular Function: protein binding; retinoic acid 4-hydroxylase activity; steroid hydroxylase activity
Research Articles on CYP2S1	**1.** CYP2S1 regulates colorectal cancer growth through associated with prostaglandin E2-mediated activation of beta-catenin signaling.
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