

Product datasheet for **SC310312**

CYP2S1 (NM_030622) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP2S1 (NM_030622) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYP2S1
Synonyms:	CYPIIS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310312 representing NM_030622.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGGCGACCGGCACCTGGCGCTGCTGTGGCGCTGGCGCTGCTCCTGCTGCTGACGCTGGCGCTG
TCCGGGACCGAGGCCGAGGCCACCTGCCCGGGCCACGCCGCTACCACTGCTGGAAACCTCCTG
CAGCTACGGCCCGGGCGCTGTATTAGGGCTCATGCGGCTGAGTAAGAAGTACGGACCGGTGTTACCC
ATCTACCTGGGACCTGGCGCCTGTGGTGGTCTGTTGGGCGAGGAGGTGTGCGGGAGGCCCTGGGA
GGTCAGGCTGAGGAGTTCAGCGGCCGGGAACCGTAGCGATGCTGGAAGGGACTTTTATGGCCATGGG
GTTTTCTTCTCAACGGGAGCGGTGGAGGCAGCTGAGGAAGTTTACCATGCTTGTCTGCGGGACCTG
GGCATGGGAAGCGAGAAGGCGAGGAGCTGATCCAGGCGAGGCCCGGTGTCTGGTGGAGACATTCCAG
GGGACAGAAGGACGCCATTTCGATCCCTCCCTGCTGCTGGCCAGGCCACCTCCAACGTAGTCTGCTCC
CTCCTCTTTGGCCTCCGCTTCTCCTATGAGGATAAGGAGTTCAGGCCGTGGTCCGGGCAGCTGGTGGT
ACCCTGCTGGGAGTCAGCTCCCAGGGGGTTCAGACCTACGAGATGTTCTCCTGGTTCCTGCGGCCCTG
CCAGGCCCCACAAAGCAGCTCCTCCACCAGCTCAGCACCTTGGCTGCCTTACAGTCCGGCAGGTGCAG
CAGCACAGGGGAACCTGGATGCTTCGGGCCCGCACGTGACCTTGTGATGCCTTCTGCTGAAGATG
GCACAGGAGGAACAAAACCCAGGCACAGAATTCACCAACAAGAACATGCTGATGACAGTCATTTATTTG
CTGTTTGTGGGACGATGACGGTACGACCACGGTCCGGCTATACCTCCTGCTCCTGATGAAATACCT
CATGTCCAAAAGTGGGTACGTGAGGAGCTGAATCGGGAGCTGGGGGTGGCCAGGCACCAAGCCTAGGG
GACCGTACCCGCCTCCCTTACACCGACGCGTTCGATGAGGCGCAGCGGCTGCTGGCGCTGGTGGCC
ATGGGAATACCCCGCACCTCATGCGGACCACCGCTCCGAGGGTACACCCTGCCAGGGCAGCGGAG
GTCTTCCCCTCCTTGGCTCCATCCTGCATGACCCCAACATCTTCAAGCACCCAGAAGAGTCAACCCA
GACCGTTTCTGGATGCAGATGGACGGTTCAGGAAGCATGAGGCGTTCCTGCCCTTCTCCTTAGGGAAG
CGTGTCTGCCTTGGAGAGGGCCTGGCAAAAAGCGGAGCTTCTCCTTCTTACCACCATCTACAAGCC
TTCTCCCTGGAGAGCCGTGCCCGCCGACACCCTGAGCCTCAAGCCACCGTCAAGTGGCCTTTTCAAC
ATTCCCCAGCCTTCCAGCTGCAAGTCCGTCCTCCACTGACCTTCACTCCACCACGCAGACCAGATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_030622
- Insert Size:** 1515 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_030622.7
RefSeq Size:	2660 bp
RefSeq ORF:	1515 bp
Locus ID:	29785
UniProt ID:	Q96SQ9
Cytogenetics:	19q13.2
Domains:	p450
Protein Families:	Druggable Genome, P450, Transmembrane
Protein Pathways:	Metabolism of xenobiotics by cytochrome P450
MW:	55.8 kDa
Gene 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 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]