

Product datasheet for **SC123874**

CYP4Z1 (NM_178134) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP4Z1 (NM_178134) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYP4Z1
Synonyms:	CYP4A20
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene ORF sequence for NM_178134 edited
GCGGCCGCGAATTCGGCACGAGGCCAGAGCTCAGGACCTCTGAGAAGAATGGAGCCCTCC
TGGCTTCAGGAACTCATGGCTCACCCCTTCTTGCTGCTGATCCTCCTCTGCATGTCTCTG
CTGCTGTTTCAGGTAATCAGGTTGTACCAGAGGAGGAGATGGATGATCAGAGCCCTGCAC
CTGTTTCTGCACCCCTGCCACTGGTTCTATGGCCACAAGGAGTTTACCCAGTAAAG
GAGTTTGAGGTGATCATAAGCTGATGGAAAAATACCCATGTGCTGTTCCCTTGTTGGGTT
GGACCTTTACGATGTTCTTCAGTGTCCATGACCCAGACTATGCCAAGATTCTCCTGAAA
AGACAAGATCCCAAAAGTGCTGTTAGCCACAAAATCCTTGAATCCTGGGTTGGTCGAGGA
CTTGAGCCCTGGATGGTTCTAAATGGAAAAAGCACCGCCAGATTGTGAAACCTGGCTTC
AACATCAGCATTCTGAAAATATTCATCACCATGATGTCTGAGAGTGTTCCGGATGATGCTG
AACAAATGGGAGGAACACATTGCCCAAACTCACGTCTGGAGCTCTTCAACATGTCTCC
CTGATGACCTGGACAGCATCATGAAGTGTGCCTTCAGCCACCAGGGCAGCATCCAGTTG
GACAGTACCCTGGACTCATACCTGAAAGCAGTGTCAACCTTAGCAAAAATCTCCAACCAG
CGCATGAACAATTTTCTACATCACAAACGACCTGGTTTTCAAATTCAGCTCTCAAGGCCAA
ATCTTTTCTAAATTTAACCAAGAACTTCATCAGTTCACAGAGAAAAGTAATCCAGGACCGG
AAGGAGTCTCTTAAGGATAAGCTAAAACAAGATACTACTCAGAAAAGGCGCTGGGATTTT
CTGGACATACTTTTGAGTGCCAAAAGCGAAAACACCAAAGATTTCTCTGAAGCAGATCTC
CAGGCTGAAGTGAACGTTTCATGTTTGCAGGACATGACACCACATCCAGTGCTATCTCC
TGGATCCTTTACTGCTTGGCAAAGTACCCTGAGCATCAGCAGAGATGCCGAGATGAAATC
AGGGAACCTCCTAGGGGATGGGTCTTCTATTACCTGGGAACACCTGAGCCAGATGCCTTAC
ACCACGATGTGCATCAAGGAATGCCTCCGCCTCTACGCACCGGTAGTAAACATATCCCGG
TTACTCGACAAAACCCATTACTTTTCCAGATGGACGCTCCTTACCTGCAGGAATAACTGTG
TTTATCAATATTTGGGCTCTTCACCACAACCCCTATTTCTGGGAAGACCCTCAGGTCTTT
AACCCCTTGAGATTCTCCAGGGAAAATTCTGAAAAAATACATCCCTATGCCTTCATACCA
TTCTCAGCTGGATTAAGGAACTGCATTGGGCAGCATTGTTGCCATAATTGAGTGTAAAGTG
GCAGTGGCATTAACTCTGCTCCGCTTCAAGCTGGCTCCAGACCACTCAAGGCCTCCCCAG
CCTGTTTCGTCAAGTTGCTCCTCAAGTCCAAGAATGGAATCCATGTGTTTGCAAAAAAGTT
TGCTAATTTTAAGTCCTTTTGTATAAGAATTAATGAGACAATTTTCTACCAAAGGAAGA
ACAAAAGGATAAATAATAACAAAATATATGTATATGGTTGTTTGACAAATTATATAACT
TAGGATACTTCTGACTGGTTTTGACATCCATTAACAGTAATTTTAAATTTCTTTGCTGTAT
CTGGTGAACCCACAAAACACCTGAAAAAACTCAAGCTGACTTCCACTGCGAAGGGAAA
TTATTGGTTTGTGTAAGTGTAGTGGTCAAGCATAGTTTGATCAAACTCCA
CTCAGTATCTGCATTACTTTTATCTCTGCAAAATATCTGCATGATAGCTTTATTCTCAGTT
ATCTTTCCCATAATAAAAAATATCTGCCAAAAAATCTGCAAAAAAATCTGCAAAAAAATCTG
ATTGCGGCCGCGGTACATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCC
TCCCCAGTGCCTCTCC
```

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_178134 unedited</p> <pre> NGGGTCACGATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCCAGAGC TCAGGACCTCTGAGAAGATGGAGCCCTCCTGGCTTCAGGAACTCATGGCTCACCCCTTCT TGCTGCTGATCCTCCTCTGCATGCTCTGCTGCTGTTTCAGGTAATCAGGTTGTACCAGA GGAGGAGATGGATGATCAGAGCCCTGCACCTGTTTCTGCACCCCTGCCACTGTTTCT ATGGCCACAAGGAGTTTTACCCAGTAAAGGAGTTTGAGGTGTATATAAGCTGATGGAAA AATACCCATGTGCTGTTCCCTTGTGGTTGGACCCTTACGATGTTCTTCAGTGTCCATG ACCCAGACTATGCCAAGATTCTCCTGAAAAGACAAGATCCAAAAGTGCTGTTAGCCACA AAATCCTTGAATCCTGGTTGGTCGAGGACTTGTGACCCTGGATGTTTCTAAATGGAAAA AGCACCGCCAGATTGTGAAACCTGGCTTCAACATCAGCATTCTGAAAATATTCATCACCA TGATGTCTGAGAGTGTTCCGATGATGCTGAACAAATGGGAGGAACACATTGCCAAAAC CACGTCTGGAGCTCTTCAACATGTCTCCCTGATGACCCTGGACAGCATCATGAAGTGTG CCTTCAGCCACCAGGGCAGCATCCAGTTGGACAGTACCCTGGACTCATACCTGAAAGCAG TGTTCAACCTTAGCAAAATCTCCAACCAGCGCATGAACAATTTTCTACATCACAACGANC CTGTTTTCAAATTCAGCTCTCAAGGCCAAATCTTTTCTAAATTTAACCAAGAACTTCATC AGTTCACAGAGAAAAGTATCCCAGACCCGGAGGAGTCTCTTAAGGATAGCTAAAACAGAT ACTACTCAGAAAAGCGCTA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_178134 unedited</p> <pre> GGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTTCAGGAAACAGCTA TGACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGGCAGATATTTT TATTATGGGGAAAGATAACTGAGAATAAAGCTATCATGCAGATATTTGCAGAGATAAAAG TAATGCAGATACTGAGTGGAGTTTTGATCAAACATGCTTGAAAGCCACTCTACCCACTAG TTACACAAACCAATAATTTCCCTTCGCAGTGGAAGTCAGCTTGAGTTTTTTCAGGTGTTT TTGTGGGTTTTACCAGATACAGCAAAGAAATAAAATTAATGTTAATGGATGTCAAAACC AGTCAGAAGTATCCTAAGTTATATAATTTGTCAAACAACCATATACATATATTTTGTATT ATATTTATCCTTTTGTCTTCCCTTGGTAGGAAAATGTCTCATTAAATCTTATACGAAA GGACTTAAAATTAGCAAACCTTTTTTGCAAACACATGGATTCCATTCTTGGACTTGAGGA CAACTTGACGAACAGGCTGGGGAGGCCTTGAGTGGTCTGGAGCCAGCTTGAAGCGGAGCA GAGTTAATGCCACTGCCACTTTACTCAATTATGGCAAAATGCTGCCAATGCAGTTCC TTAATCCAGCTGAGAATGGTATGAAGGCATAGGGATGTATTTTTTTCAGAATTTTCCCTGG AGAATCTCAAGGGTTAAAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_178134
Insert Size:	2600 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).
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:

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_178134.2](#), [NP_835235.1](#)

RefSeq Size: 1907 bp

RefSeq ORF: 1518 bp

Locus ID: 199974

UniProt ID: [Q86W10](#)

Cytogenetics: 1p33

Protein Families: Druggable Genome, P450, Transmembrane

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 gene is part of a cluster of cytochrome P450 genes on chromosome 1p33. [provided by RefSeq, Jul 2008]