

## Product datasheet for **SC215008**

### Cytochrome P450 1A2 (CYP1A2) (NM\_000761) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Cytochrome P450 1A2 (CYP1A2) (NM_000761) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CYP1A2
Synonyms:	CP12; CYP1A2; P3-450; P450(PA)
ACCN:	NM_000761
Insert Size:	1549 bp



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**Insert Sequence:** >SC215008 3'UTR clone of NM\_000761  
 The sequence shown below is from the reference sequence of NM\_000761. 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
CAGGCGCGGCTGCGCTTCTCCATCAATGAAGAAGACACCACCATTCTGAGGCCAGGGAGCGAGTGGGG
GCCAGCCACGGGACTCAGCCCTTGTTTCTCTTCTTTCTTTTTTAAAAAATAGCAGCTTTAGCCAAG
TGCAGGGCCTGTAATCCCAGCATTTTAGGAGGCCAAGGTTGGAGGATCATTTGAGCCAGGAATTGGAA
AGCAGCCTGGCCAACATAGTGGGACCCTGTCTCTACAAAAAATTTGCCAAGAGCCTGAGTGACAG
AGCAAGACCCCATCTCAAAAAAACAACAAAAAACCATATATACATATATATA
GCAGCTTATGGAGATATAATTCTTATGCCATATAATTCACCTTCTTTTTTTTTTGTCTGAGACAG
AATCTCAGTCTGTCAACCAGTTGGAGTGCAGTGGCGTGATCTCAGTCACTGCAACCTCCACCTCGCA
GGTTCAAGCAATCTCCCACTTCAAGCCTCCAAGCACCTGGGATTACAAGCATGAGTCACTACGCCTGG
CTGATTTTGTAGTTTGTAGTGGAGATGGGGTTTACCATGTTGGCCAGGCTTGTCTCGAACTCCTGACC
CCAAGTTATCCACTGCCTTGGCTTCCCAAGTCTGGGATTACAGGTGTGAGCCACCACATCCAGCCT
AACTTACATTCTTAAAGTGTGCAATGACTTCTAGTGTAGAATTGTGCAACCATCACCAGAATTAATTTT
ATTATTCTTATTTTTGAGACAGAGTCTTACTCTGTTGCCAGGCTGGAGTGCAGTGGCGCGATCTCA
GCTCACTACAACCTCCGCTCCCATGTTCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACT
ATAGGCATGCGCCACCATGGCCAGCTAATTTTTGTATTTTAGTAGAGACGAGTTTCACTGTGTTGGC
CAGGATGGTCTCCATCTCTTGACCTCGTGATCCACCCGCTCAGCCTCCCAAGTGTGGGATTAACAG
GTATGAACCACCGCCAGCCTTTTTGTTTTTTTTTTTTGAGACAGAGTCTTCTGTCTCCTAA
GCTGGAGTGCAGTGGCATCATCTCAGTCACTGCAACCTCTGCCTCCAGGTTCAAGTGCTTCTCCAGC
CTCAGCCTCCCAAGTAGCTGAGACTACAGGCACACACCACCAGCCTGGCTAATTTTTGTATTTTGTAGT
AGAGACGGGTTTACCATGTTGGCTAGACTAGTCTCAAACCTGACCTCAAGTGTCTGCCCGCCTCG
ACCTCTCTCAAAGTGTGGCATTACAGGTGTGAGCCACGGTGCCCGGCCACAATTAATTTAGAACAT
TTTCATCACCCCTAAAAGAAACCCTGCACCCATTAGCAGTCCCTCCACATTTCCCTAGCCTGCCTCC
CCTGCCTCACCAGCCCTGGCAACTGCTAATCTACTTTCTGTGTCTATGGATTTGCCTTCTCTAAACATT
TCATATAAATGGAATTACACAATGAGTGGTC
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
```

**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\\_000761.5](#)

**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. The protein encoded by this gene localizes to the endoplasmic reticulum and its expression is induced by some polycyclic aromatic hydrocarbons (PAHs), some of which are found in cigarette smoke. The enzyme's endogenous substrate is unknown; however, it is able to metabolize some PAHs to carcinogenic intermediates. Other xenobiotic substrates for this enzyme include caffeine, aflatoxin B1, and acetaminophen. The transcript from this gene contains four Alu sequences flanked by direct repeats in the 3' untranslated region. [provided by RefSeq, Jul 2008]

**Locus ID:**

1544

**MW:**

57