

Product datasheet for **SC213775**

CYP7A1 (NM_000780) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	CYP7A1 (NM_000780) Human 3' UTR Clone
Symbol:	CYP7A1
Synonyms:	CP7A; CYP7; CYPVII
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000780
Insert Size:	1334 bp



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Insert Sequence: >SC213775 3' UTR clone of NM_000780
 The sequence shown below is from the reference sequence of NM_000780. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

CGCCATTGAATGATATTGAATTTAAATATAAAATCAAGCATTT**GTGA**ATACATGGCTGGAATAAGAGGAC
 ACTAGATGATATTACAGGACTGCAGAACCCTCACCACACAGTCCCTTTGGACAAATGCATTTAGTGGT
 GGTAGAAATGATTCACCAGGTCCAATGTTGTTCCACAGTGCTTGTGAATCTTAACATTTTGGTGAC
 AGTTTCCAGATGCTATCACAGACTCTGCTAGTAAAAGAACTAGTTTCTAGGAGCACAATAATTTGTTTT
 CATTTGTATAAGTCCATGAATGTTTCATATAGCCAGGGATTGAAGTTTATTATTTTCAAAGGAAAACCTT
 TTATTTATTTTTTTTCAAATGAAGATACACATTACAGCCAGGTGTGGTAGCAGGCACCTGTAGTCTTA
 GCTACTCGAGAGGCCAAAGAAGGAGGATGGCTTGAGCCAGGAGTTCAAGACCAGCCTGGACAGCTTAGT
 GAGATCCCGTCTCCGAAGAAAAGATATGTATTCTAATTGGCAGATTGTTTTTTCCTAAGGAACTGCTTT
 ATTTTTATAAACTGCCTGACAATTATGAAAAATGTTCAAATTCACGTTCTAGTGAACTGCATTATTT
 GTTGACTAGATGGTGGGGTCTTCGGGTGTGATCATATATCATAAAGGATATTTCAAATGATTATGATTA
 GTTATGCTTTTTAATAAAAAGGAAATATTTTTCAACTTCTTCTATATCCAAAATTCAGGGCTTTAAACAT
 GATTATCTTGATTTCCAAAAACACTAAAGGTGGTTTTATTTCCCTTCATGTTTTAACTTATTGTTGCT
 GAAAACTCTATGCCGGCTTTAACTATCTTCTATATTTTTATTTTCAATTCACATTAATGAGAAGAGTTT
 TCTCAGAGATTAATAAAGGTAGTTTTCTGTGTCATTGTTAAATACACATTATCACTGAAAAAATGTAGCTT
 TTATGTGATATGTTTTAAAGTTAAAACGGATGGAATAGCCATTTGGAAGCTTTGGTTATGAAACATGT
 GGAGTGTATTAAGTGCAGCTTGACATTATGTTTTATTTAAATGCTTTTTATCGCTAAATGACTTGACAGAT
 GAAAAAACTAAGGTGACTCGAGTGTTTAAATGCTGTGTACAACAATGCTTTGATAAAATATTTAAGTA
 TGAGTTATCAGCTCTATGTCAATTGATTTTCTGTGTAGTATTTATTTAAATATATTTACCTTTTTG
 CTTATTTTACAAATATTAAGAAAATATTCTAACATTTGATAATTTTGAATGATTCATCTTTCAGAAATA
 AAAG

ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG

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_000780.3](#)

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 in the liver, which converts cholesterol to bile acids. This reaction is the rate limiting step and the major site of regulation of bile acid synthesis, which is the primary mechanism for the removal of cholesterol from the body. Polymorphisms in the promoter of this gene are associated with defects in bile acid synthesis. [provided by RefSeq, Feb 2010]

Locus ID:

1581