

<http://www.ncbi.nlm.nih.gov/nuccore/AJ697885.1>

National Center for
Biotechnology Information

Sus scrofa mRNA for cytochrome p450 2E1 (CYP2E1 gene)

GenBank: AJ697885.1

[FASTA Graphics](#)

[Go to:](#)

LOCUS AJ697885 1747 bp mRNA linear MAM 14-NOV-2006

DEFINITION Sus scrofa mRNA for cytochrome p450 2E1 (CYP2E1 gene).

ACCESSION AJ697885

VERSION AJ697885.1 GI:51465031

KEYWORDS CYP2E1 gene; cytochrome p450 2E1.

SOURCE Sus scrofa (pig)

ORGANISM [Sus scrofa](#)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Euteleostomi;
Mammalia; Eutheria; Laurasiatheria; Cetartiodactyla; Suina;
Suidae;
Sus.

REFERENCE 1

AUTHORS Skinner, T.M., Doran, E., McGivan, J.D., Haley, C.S. and Archibald, A.L.

TITLE Cloning and mapping of the porcine cytochrome-p450 2E1 gene and its association with skatole levels in the domestic pig

JOURNAL Anim. Genet. 36 (5), 417-422 (2005)

PUBMED [16167985](#)

REFERENCE 2 (bases 1 to 1747)

AUTHORS Doran, E.

TITLE Direct Submission

JOURNAL Submitted (20-APR-2004) Doran E., Department of Clinical Veterinary Science, School of Veterinary Sciences, University of Bristol, Langford, Bristol, BS40 5DU, UNITED KINGDOM

FEATURES Location/Qualifiers

source 1..1747

```

/organism="Sus scrofa"
/mol_type="mRNA"
/db_xref="taxon:9823"
/chromosome="14"
gene 1..1747
/gene="CYP2E1"
CDS 30..1517
/gene="CYP2E1"
/codon_start=1
/product="cytochrome p450 2E1"
/protein_id="CAG27006.1"
/db_xref="GI:51465032"
/db_xref="GOA:Q8SQ64"
/db_xref="HSSP:1DT6"
/db_xref="InterPro:IPR001128"
/db_xref="InterPro:IPR002401"
/db_xref="InterPro:IPR008070"
/db_xref="InterPro:IPR017972"
/db_xref="UniProtKB/TrEMBL:Q8SQ64"

/translation="MTALGITVALLVWLVTLTLLLSIWKHIHSSWKLPFGPFPLPIVGN
IFQLDLKNIPKSFTMLAERYGPVFTVYVLGSRRIIVVLHGKAVKEVLLHYKNEFSGRGE
IPTFQVHKDKGVIFNNGPTWRDTRRFSLTTLRDFGMGKQGNEQRIQREAHFLLLEALRK
THGQPFDPFTFLIGCAPCNVISDILFRQHFDYNDKTCLRLMSMFNENFYLLSTGWIQLY
NNFSGYLRYLPGSHRKLKMNISEIKDYALERVKDHRDSLEPSCP RFDFTDLLMEMEKE
KYSAEPIYTLDNIAVTVADMFFAGTETTSTTLRYGLLILMKYPEVEEKLHEEIDRVIG
PNRIPAIAKDRLDMPYLDVAVVHEIQRFIDLIPSNLPHEATRDTVFRDYIIPKGTVVIPT
LDSVLYDSQEFPEPEKFKPEHFLNENKFKYSDFKAFSAGKRVCVGEGLARMEFLF
MAAILQHFNLSLVDPKIDIDLSPIAIGFAKIPPHYKLCVIPRSQV"
variation 665
/gene="CYP2E1"
/note="SNP"
/replace="t"
variation 1452
/gene="CYP2E1"
/note="SNP"
/replace="a"

```

ORIGIN

1 cacacattga aagatcccct gaaggagcca tgactgccct gggcatcacg gtggccctgc
61 tgggtgtggtt ggtcaccctg ctgctcatct ccatctggaa gcacatccac agtagctgga
121 aacttcccc tggccctttc ccactgcccc tcggtgggaa cttttccag ttggacctta
181 agaatattcc caaatccttc accatgctgg cagagcgta cgggccggtg ttcactgtgt
241 acctgggttc gcggcgcatt gtggtcctgc acggctacaa ggccgtgaag gaggtcttgc
301 tccactacaa gaatgagttc tctggcagag gggaaatccc cacgttccaa gtgcacaagg
361 acaaaggggt cattttcaat aatggaccaa cctggcggga cactcggcgg ttctccctca
421 ccaccctccg tgacttcggg atggggaaac agggcaatga gcagcggatc cagagggagg
481 cccacttctt gctggaggca ctcaggaaga cccatggcca gccctttgat cccaccttcc
541 tcatcggtcgc cgcaccctgc aatgtcatct ccgacatcct cttccgcccag cactttgact
601 acaatgacaa gacctgtctg aggttaatga gcatgttcaa tgagaacttc tacctgctca
661 gtaccggctg gatccagctt tataataatt tctcaggcta tctacgctac ctgcctggaa
721 gccataggaa actaatgaaa aatataatctg aaataaaaaga ttatgcttta gaaagagtga
781 aggaccaccg ggattcactg gagcccagct gtcctcgaga tttcactgac accctgctga
841 tggaaatgga gaaggaaaaa tacagtgcag aacctatata caccttggac aacattgccg
901 tgaccgtggc cgacatgttc tttgcgggga cagagaccac cagcaccacc ctgagatacg
961 ggctcctaatt tctcatgaaa taccagaggg ttgaagagaa acttcatgaa gaaattgaca
1021 gggtcattgg tccaaacaga atcccctgcc tcaaggacag gctggacatg ccctacctgg
1081 atgccgtggt acatgagatt cagcgattca tcgacctcat tccctccaac ctgccacatg
1141 aagcaaccgc ggacacagta ttcagagact acatcatccc caagggcaca gtggtaattc
1201 cgacactgga ctccgtctta tatgacagcc aagaattccc tgagccggag aagtttaagc
1261 cagagcactt tctgaatgaa aacggaaagt tcaagtacag tgatcatttc aaggcatttt
1321 ccgcaggaaa gcgggtgtgt gtcggagagg gcctggctcg catggaactg ttctgttca
1381 tggctgccat cttgcagcac ttttaacttga aatctcttgt tgacccaag gatatcgacc
1441 tcagcccat cgcgattggg tttgccaaaga tccccccca ttacaaactc tgtgtcattc
1501 cccgctcaca agtgtgaggg agatgtgctc taaaggccct ggttccttga tgctgacctg
1561 gaggcctcct gtccccagtg tccccacagc gagcgcagcc cgggctccat aggaaatcaa
1621 atgggccagt gaagctgctt ccagcccaca tccttcagat agaattttaa agcaaagtcc
1681 aaaaaagatt ttgtacaatc aattaaagta agtaaagcca aaaaaaaaaa aaaaaaaaaa
1741 aaaaaaa

//