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Product datasheet for MC227517

Cyp39a1 (NM_001285948) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp39a1 (NM_001285948) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp39a1
Synonyms:	mCYP39A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC227517 representing NM_001285948
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCATTATGGAGTTATTCTCACCAATAGCAATCGCCGTTCTGGGAAGCTGTGTTCTTTTCTTATTCT
CTCGGTTGAAGAATTTGCTTGGACCCCCGTGCATCCAAGGCTGGATTCCCTGGATTGGAGCTGGACTTGA
GTTTGGGAAAGCCCCTCTTGAATTTATAGAAAAAGCAAGAATCAAGTATGGACCGGTATTTACCATCTTT
GCTATGGGAAACCGAATGACCTTTGTTAGTGAAGAAGAAGGAATCAATGTGCTTCTAAAATCTGAACATG
TAGATTTTGAATCAGCAGTACAAAGTCCTGTCTATCACACAGCATGGATTCCAAAGAATGTCTTCTCTGC
ACTGCATGAGCGACTGTATGCCTTGATGAAAGGGAAGATGGGAACTTTCAACACACATCACTTTACTGGG
CCGCTAACTGAAGAACTTCATGAGCAACTGGAAGGTTTAGGCACTCATGGAACAATGGACCTGAATGACT
TTGTAAGGTATCTACTTTATCCAGCCACACTCAATACCCTCTTTAAGAAAGGGTTGTTTCTCACAGACAA
GAGGACAATCAAGGAATTCTACCAGCAGTTTAAAACCTATGATGAGGGCTTTGAGTATGGCTCCCAGCTG
CCTGAATGGCTTCTGAGAAACTGGTCAAAATCCAAAAGATGGCTCCTGGCGCTGTTTGAGAAAAATATTG
GCAACATAAAAGCTCACGGATCTGCAGGTCATTCTGGAACCCTCTTGCAGGCCATATTGGAAGTGGTGGA
GACGGAAACACGTCAATACAGTCCAAATTATGGACTGGTCGTACTTTGGGCTGCTCTGGCCAATGCTCCT
CCTATTGCATTCTGGACACTTGGATATATCCTGTCTCATCCCGATATCCACAGGACTGTTTTAGAAAGCA
TATCTTCTGTGTTTGGCACTGCAGGTAAAGACAAGATTAAAGTGTCTGAAGATGACCTGAAGAAGCTTCT
AATAATTAAGTGGTGCATTCTGGAATCTGTCCGCTTGAGAGCCCCTGGTGTCATTACTAGAAAGGTAGTG
AAGCCAGTTAAAATTCTGAATCACACAGTTCCTTCTGGTGATCTGCTGATGTTGTCTCCATTCTGGCTAC
ACAGAAATCCAAAATATTTTCCTGAACCTGAGTCATTCAAACCTGTGGTTTGCTCTCTTAGAGATTCAAC
TATGCATTATCTTAGTGCTGTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001285948
Insert Size:	1215 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001285948.1, NP_001272877.1
RefSeq Size:	3017 bp
RefSeq ORF:	1215 bp
Locus ID:	56050
Cytogenetics:	17 B3
Gene Summary:	Involved in the bile acid metabolism. Has a preference for 24-hydroxycholesterol, and converts it into a 7-alpha-hydroxylated product.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an exon in the 3' coding region resulting in a frameshift compared to variant 1. The encoded protein (isoform 3) has a distinct C-terminus and is shorter compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.

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