

Product datasheet for SC313776

CYP4X1 (AK098065) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP4X1 (AK098065) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYP4X1
Synonyms:	CYPIVX1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for AK098065, the custom clone sequence may differ by one or more nucleotides ATGGAATTCTCCTGGCTGGAGACGCGCTGGGCGGGCCCTTTTACCTGGCGTTCGTGTTCTG TGCCTGGCCCTGGGGCTGCTGCAGGCCATTAAGCTGTACCTGCGGAGGCAGCGGCTGCTG CGGGACCTGCGCCCTTCCCAGCGCCCCACCCACTGGTTTCTTGGGCACCAGAAGTTT ATTCAGGATGATAACATGGAGAAGCTTGAGGAAATTATTGAAAAATACCCTCGTGCCTTC CCTTTCTGGATTGGGCCCTTTCAGGCATTTTTCTGTATCTATGACCCAGACTATGCAAAG ACACTTCTGAGCAGAACAGATCCCAAGTCCAGTACCTGCAGAAATTCTCACCTCCACTT CTTGGAAAAGGACTAGCGCTCTAGACGGACCCAAGTGGTTCAGCATCGTCGCCTACTA ACTCCTGGATTCCATTTAACATCCTGAAAGCATACATTGAGGTGATGGCTCATTCTGTG AAAATGATGCTGGATAAGTGGGAGAAGATTTGCAGCACTCAGGACACAAGCGTGGAGGTC TATGAGCACATCAACTCGATGTCTCTGGATATAATCATGAAATGCGCTTTTCAGCAAGGAG ACCAACTGCCAGACAAACAGCACCCATGATCCTTATGCAAAGCCATATTTGAACTCAGC AAAATCATATTTACCAGCTTGTACAGTTTGTGTATCACAGTGACATAATTTTCAAACCTC AGCCCTCAGGGCTACCGCTTCCAGAAGTTAAGCCGAGTGTGAATCAGTACACAGATACA ATAATCCAGGAAAAGAAAATCCCTCCAGGCTGGGGTAAAGCAGGATAACACTCCGAAG AGGAAGTACCAGGATTTTCTGGATATTGTCTTTCTGCCAAGGATGAAAGTGGTAGCAGC TTCTCAGATATTGATGTACACTCTGAAGTGAGCACATTCTGTTGGCAGGACATGACACC TTGGCAGCAAGCATCTCCTGGATCCTTTACTGCCTGGCTCTGAACCCTGAGCATCAAGAG AGATGCCGGGAGGAGGTGAGGGCATCCTGGGGATGGGTCTTCTATCACTTGGGACCAG CTGGGTGAGATGTGACACCACAATGTGCATCAAGGAGACGTGCCGATTGATTCTGCA GTCCCCTCCATTTCCAGAGATCTCAGCAAGCCACTTACCTTCCCAGATGGATGCACATTG CCTGCAGGGATCACCGTGGTCTTAGTATTTGGGGTCTTACCACAACCCTGCTGTCTGG AAAAACCAAAGTCTTTGACCCTTGAGTTCTCTCAGGAGAATTCTGATCAGAGACAC CCCTATGCCTACTTACCATTCTCAGCTGGATCAAGGAAGTGCATTGGGCAGGAGTTTGCC ATGATTGAGTTAAAGGTAACCATTCGCTTGATTCTGCTCACTTTCAGAGTACTCCAGAC CCCACCAGGCCTTACTTTCCCAACCATTTTATCCTCAAGCCCAAGAATGGGATGTAT TTGCACCTGAAGAACTCTCTGAATGT
Restriction Sites:	Please inquire
ACCN:	AK098065



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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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	AK098065.1 , BAC05226.1
RefSeq Size:	2349 bp
RefSeq ORF:	2349 bp
Locus ID:	260293
Cytogenetics:	1
Domains:	p450
Protein Families:	Druggable Genome, P450, Transmembrane
Gene Summary:	This gene encodes a member of the cytochrome P450 superfamily of enzymes and is located within a cluster of genes belonging to this superfamily on chromosome 1. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The expression pattern of a similar rat protein suggests that this protein may be involved in neurovascular function in the brain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]