

Product datasheet for SC123636

CYP4V2 (BC014218) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CYP4V2 (BC014218) Human Untagged Clone
Tag:	Tag Free
Symbol:	CYP4V2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC014218 edited

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GGCACGAGGGCGCGCCTGGCAGTGCTGCAACCGCTACAGCAGCCGAGGAAGCAGCTCA
CCTTCCACCGCAGGTGAGGGAGAACACACACTGCCAGTGAGAGAGGAAATGCCAGCTC
TTCTCAGAAAGAAAAGGTCTCCCTGAGGCGGGGCGGAGAGGACAGCCCTGGGAGAAA
CATGGACTGCGCTTGAAGAGCTTCAGTTGCCCCAAATGCCAAAGGCCCGTAAAAACA
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TGCAGGCCAGAGGCTGGTGAAGCGAAGGATGTCCAGCTGCCTCCGTGCCTGCAAAGGGC
ACCGGGGACTCCAGGCCAGACTTGGCCAGAGCAGCAGAGCTGAGCCCCACAGGCTCCGG
ACGCAGAGGCGGCAGTGGCACCAGGGCCGGCAGGGCTTTGGAGCTCTGGCTGTGGACATT
TTTGTCTGCTGTGGACATTGAGAAAAGTTGGCCGTGAGGCCTGCCGGGCGGGGATTGAAA
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GGAGATGCTCCTCAGGGAGGAAGCCATGTGAGGGGGCCGGCTCTGTGGCAGATTGTAATA
GCATAAAATATGTAATAACAATAGGCTGGGCACGTTGGCTCAGGCCTGTGATCCCAGCAC
TTTGGGAGGCCGAGGAGGCAGATCACAAGGTCAAGAGATCAAGACCATCCTGGCCAACA
TGTTGAACTCCATCTCTACTAAAAGTACAAAAATTAGCTGGGCGTGGTGGCATGTGCCCT
AGTCCCAGGTAAGGATGCTGAGGCAGGAGGATCACTTGAGACCAGTGGGCGGAGG
TTACAGTGAGTCAAGATTGCATCACTTACGCTGGCAACAGAGCAAGACTGTGTCTCAA
AACAAAGAACCAAGGAAAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC014218 unedited NNGGAGTACACATTTGTATACGACTCATATAGGCGGCACGCGAATTCGCACGAGGGCGCG GCCTGGCAGTGTGCAACCGCTACAGCAGCCGACGGAAGCAGCTCACCTTCCACCGCAGG TGAGGGGAGAACACACACACTGCCAGTGAGAGAGGAAATGCCAGCTCTTCTCAGAAAGAAA AGTCCCTCCTGAGGCGGGGGCCGGAGAGGACAGCCCTGGGAGAAACATGGACACTGCGCT TGAAGAGCTTCAGTTGCCCCAAATGCCAAAGGCCCGTAAAACAGATCTGCCACGGAG TCCGCAAGCAGCAGAGACTGTTGGCCGGCCGGCCGCTGCAGGCTTGAGAAGGCCCC CGACAAGCAGCCATCTGATCACAGCTATGCCCTTTGGACTTAGATTCCCTGAAGAAAA AACTCTTCTCACTCTGAAGAAAATGAAACGCTCCAGAAGCGCTTGCAGGCCAGAGGC TGGTGAAGCGAAGGATGTCCAGCTGCCTCCGTGCCTGCAAAGGGCACCGGGGACTCCAGG CCAGACTTGGGCCAGAGCAGCAGAGCTGAGCCCCACAGGCTCCGGACGCAGAGGCGGCG TGGCACCAGGGCCGCGAGGGCTTTGGAGCTCTGGCTGTGGACATTTTGTCTGCTGTGGA CATTGAGAAAGTTGGCCGTGAGGCTGCCGGCGGNGATTGAAACAGTAACCAAGCTCC CTGGCGAGAGCCCCGACCCGTCTGAANGACGTTTAGAGGCATGGTACTAGGACTGAGCA TGACNAGCTTATCTCCATAGTAACAGAAGTCCAGGCTGAGCTGATTCTGAACCTGT CCTTTCAGCACGCGCANAGCGAAAGTCGTTGGAAGCCCCCATATGGGT
Restriction Sites:	Please inquire
ACCN:	BC014218
Insert Size:	1234 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).
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:	BC014218.1 , AAH14218.1
RefSeq Size:	1234 bp
Locus ID:	285440
Cytogenetics:	4q35.1-q35.2
Protein Families:	Druggable Genome, P450, Transmembrane
Gene Summary:	This gene encodes a member of the cytochrome P450 hemethiolate protein superfamily which are involved in oxidizing various substrates in the metabolic pathway. It is implicated in the metabolism of fatty acid precursors into n-3 polyunsaturated fatty acids. Mutations in this gene result in Bietti crystalline corneoretinal dystrophy. [provided by RefSeq, Jul 2008]