

Product datasheet for **SC305739**

CYP3A43 (NM_057095) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CYP3A43 (NM_057095) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CYP3A43 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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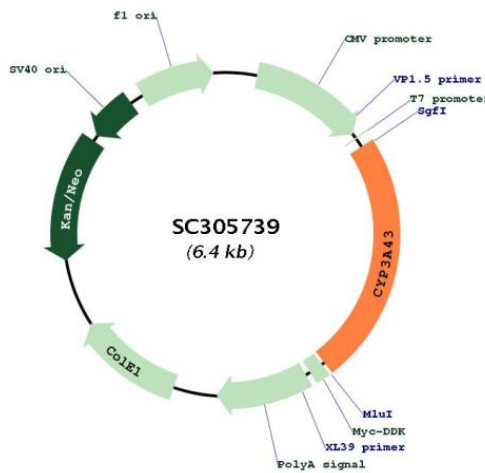
Fully Sequenced ORF: >SC305739 representing NM_057095.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGATCTATTCCAACTTTGCCATGGAACATGGGTTCTTGTGGCTACCAGCCTGGTACTCCTCTAT
ATTTATGGGACCCATTACATAAACTTTTAAAGAAGCTGGGAATTCCTGGCCAACCCCTCTGCCTTTT
CTGGGAACCTATTTTGTCTACCTTAGGGTCTTTGGAATTTTGACAGAGAATGTAATGAAAAATACGGA
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CAACCAGAAAAACCTATTGTTCTAAAAGTGCACCTAAGAGATGGGATTACAAGTGGACCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_057095

Insert Size: 1512 bp

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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: | NM_057095.2 |
| RefSeq Size: | 1734 bp |
| RefSeq ORF: | 1512 bp |
| Locus ID: | 64816 |
| UniProt ID: | Q9HB55 |
| Cytogenetics: | 7q22.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Drug metabolism - cytochrome P450, Drug metabolism - other enzymes, Linoleic acid metabolism, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism |
| MW: | 57.7 kDa |
| Gene Summary: | <p>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. The encoded protein has a low level of testosterone hydroxylase activity, and may play a role in aging mechanisms and cancer progression. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Alternate splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to isoform 1.</p> |