

Product datasheet for **SC330439**

EPHX2 (NM_001256483) Human Untagged Clone

Product data:

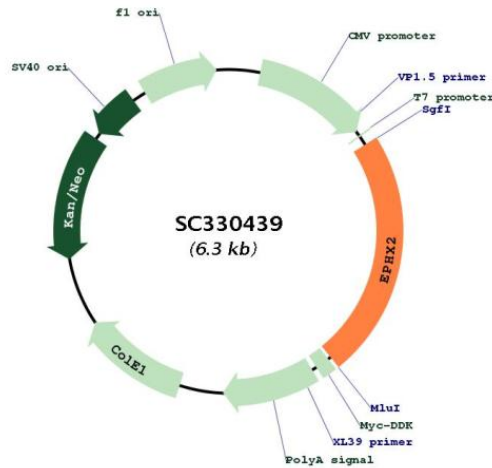
Product Type: Expression Plasmids
Product Name: EPHX2 (NM_001256483) Human Untagged Clone
Tag: Tag Free
Symbol: EPHX2
Synonyms: ABHD20; CEH; SEH
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330439 representing NM_001256483.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAAGAAAACGCAGGAAGTGCCTCCGAGACCGCTAAAGTCTGCCTCCCCAAGAATTTCTCCATAAAA  
GAAATCTTTGACAAGGCGATTTTCAGCCAGAAAGATCAACCGCCCCATGCTCCAGGCAGCTCATGCTC  
AGGAAGAAAGGATTCACACTACTGCCATCCTACCAACACCTGGCTGGACGACCGTGTGAGAGAGATGGC  
CTGGCCAGCTGATGTGTGAGCTGAAGATGCACCTTGACTTCTGATAGAGTCGTGTGAGGTGGGAATG  
GTCAAACCTGAACCTCAGATCTACAAGTTCTGCTGGACACCCCTGAAGGCCAGCCCCAGTGAGGTCTGT  
TTTTTGGATGACATCGGGGCTAATCTGAAGCCAGCCCGTACTTGGGAATGGTCACCATCCTGGTCCAG  
GACACTGACACGGCCCTGAAAGAACTGGAGAAAGTGACCGGAATCCAGCTTCTCAATACCCCGGCCCT  
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GAGCCAGCCTCAGCAGGATGGTCACTGAGGAGGAAATCCAGTTCATGTGCAGCAGTTCAGAAGTCT  
GGTTTCAGAGGCTCTAAACTGGTACCGAAACATGGAAGGAACTGGAAGTGGGCTTGCAAAAGCTTG  
GGACGGAAGATCCTGATTCGGCCCTGATGGTACGCGGAGAGGACTTCGTGCTGTTCTCAGATG  
TCCCAGCACATGGAGGACTGGATTCCCCACCTGAAAAGGGGACACATTGAGGACTGTGGGACTGGACA  
CAGATGGACAAGCCAACCGAGGTGAATCAGATCCTCATTAAAGTGGCTGGATTCTGATGCCGGAACCCA  
CCGGTGGTCTCAAAGATGTAG
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001256483

Insert Size: 1470 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:

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_001256483.1](#)

RefSeq Size: 2205 bp

RefSeq ORF: 1470 bp

Locus ID: 2053

UniProt ID: [P34913](#)

Cytogenetics:	8p21.2-p21.1
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways
MW:	55.6 kDa
Gene Summary:	<p>This gene encodes a member of the epoxide hydrolase family. The protein, found in both the cytosol and peroxisomes, binds to specific epoxides and converts them to the corresponding dihydrodiols. Mutations in this gene have been associated with familial hypercholesterolemia. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (3) lacks an exon at its 5' end and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) is shorter than isoform a.</p>