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Product datasheet for SC330438

EPHX2 (NM_001256482) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: EPHX2 (NM_001256482) Human Untagged Clone

Tag: Tag Free

Symbol: EPHX2

Synonyms: ABHD20; CEH; SEH

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

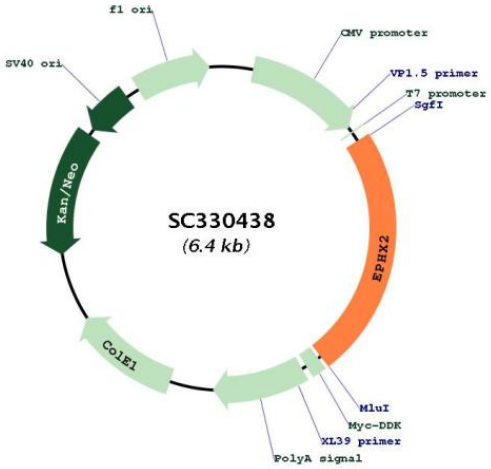
>SC330438 representing NM_001256482.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAAGGAGAGATCACACTTTCCCAGTGGATACCACTCATGGAAGAAAACTGCAGGAAGTGCTCCGAG
ACCGCTAAAGTCTGCCTCCCCAAGAATTTCTCCATAAAAGAAATCTTTGACAAGGCGATTTCAGCCAGA
AAGATCAACCGCCCCATGCTCCAGGCAGCTCTCATGCTCAGGAAGAAAGGATTCACTACTGCCATCCTC
ACCAACACCTGGCTGGACGACCGTGCTGAGAGAGATGGCCTGGCCCAGCTGATGTGTGAGCTGAAGATG
CACTTTGACTTCCTGATAGAGTCGTGTCAGGTGGGAATGGTCAAACCTGAACCTCAGATCTACAAGTTT
CTGCTGGACACCCTGAAGGCCAGCCCCAGTGAGGTCGTTTTTTTGGATGACATCGGGGCTAATCTGAAG
CCAGCCCGTGACTTGGGAATGGTCACCATCCTGGTCCAGGACACTGACACGGCCCTGAAAGAACTGGAG
AAAGTGACCGGAATCCAGCTTCTCAATACCCCGGCCCCTCTGCCGACCTCTTGCAATCCAAGTGACATG
AGCCATGGGTACGTGACAGTAAAGCCCAGGGTCCGTCTGCATTTTGTGGAGCTGGGCTCCGGCCCTGCT
GTGTGCCTCTGCCATGGATTTCCCGAGAGTTGGTATTCTTGGAGGTACCAGATCCCTGCTCTGGCCCAG
GCAGGTTACCGGGTCCTAGCTATGGACATGAAAGGCTATGGAGAGTCATCTGCTCCTCCCGAAATAGAA
GAATATTGCATGGAAGTGTTATGTAAGGAGATGGTAACCTTCCTGGATAAACTGGGCCTCTCTCAAGCA
GTGTTCATTGGCCATGACTGGGGTGGCATGCTGGTGTGGTACATGGCTCTCTTCTACCCCGAGAGAGTG
AGGGCGGTGGCCAGTTTGAATACTCCCTTCATACCAGCAAATCCCAACATGTCCCCTTTGGAGAGTATC
AAAGCCAACCCAGTATTTGATTACCAGCTCTACTTCCAAGAACCAGGAGTGGCTGAGGCTGAACTGGAA
CAGAACCTGAGTCGGACTTTCAAAAGCCTCTTCAGAGCAAGCGATGAGAGTGTTTTATCCATGCATAAA
GTCTGTGAAGCGGGAGGACTTTTTGTAAATAGCCCAGAAGAGCCCAGCCTCAGCAGGATGGTCACTGAG
GAGGAAATCCAGTTCTATGTGCAGCAGTTCAAGAAGTCTGGTTTCAGAGGTCCTCTAAACTGGTACCGA
AACATGGAAAGGAACTGGAAGTGGGCTTGCAAAAGCTTGGGACGGAAGATCCTGATTCCGGCCCTGATG
GTCACGGCGGAGAAGGACTTCGTGCTCGTTCCTCAGATGTCCCAGCACATGGAGGACTGGATTCCCCAC
CTGAAAAGGGGACACATTGAGGACTGTGGGCACTGGACACAGATGGACAAGCCAACCGAGGTGAATCAG
ATCCTCATTAAGTGGCTGGATTCTGATGCCCGGAACCCACCGGTGGTCTCAAAGATGTAG

Restriction Sites: SgfI-MluI

View online »

Plasmid Map:



ACCN:	NM_001256482
Insert Size:	1509 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_001256482.1
RefSeq Size:	2252 bp
RefSeq ORF:	1509 bp
Locus ID:	2053
UniProt ID:	P34913

Cytogenetics:	8p21.2-p21.1
Protein Pathways:	Arachidonic acid metabolism, Metabolic pathways
MW:	57.1 kDa
Gene Summary:	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] Transcript Variant: This variant (2) uses an alternate splice site at its 5' end and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Variants 2 and 4 encode the same isoform (b).