

## Product datasheet for **SC324996**

### ABHD9 (EPHX3) (NM\_001142886) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD9 (EPHX3) (NM_001142886) Human Untagged Clone
Tag:	Tag Free
Symbol:	EPHX3
Synonyms:	ABHD9; EH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324996 representing NM_001142886. Blue=Insert sequence Red=Cloning site Green=Tag(s)

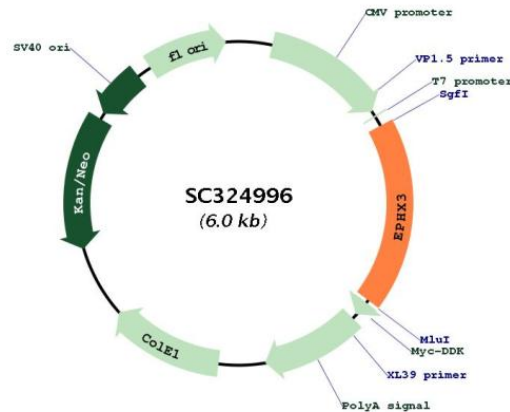
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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCGGAGCTGGTGGTACCAGCGCTGCTGGCGCGTCCGCGCTGTCGCTGAAGCTGCTGCGCGCCTTC
ATGTGGAGCCTGGTGTCTCGGTGGCGCTGGTGGCCGCGCGGTCTACGGCTGCATAGCGCTCACGCAC
GTGCTGTGCCGGCCCCGGCGCGGTGCTGCGGGCGCCGTCGGAGCGCGTCCCCCGCTGCCTGAGCGAC
CCCTCGTGGGTGAGCACGGTTTCTGAACCTCAAGAGCTCGGGCCTGCGTCTGCACTATGTCTCGGCT
GGACGAGGTAACGAGCCCTCATGCTGTTTCTGCACGGCTTCCCTGAGAAGTGGTTCTCCTGGCGTTAC
CAGCTCCGGGAGTCCAGAGCCGCTTCCATGTTGTGGCTGTGGACTTGGCAGGCTATGGCCCTCGGAT
GCACCTCGGGATGTGGACTGCTACACAATCGACCTGCTGCTGGTGGACATCAAAGATGTCATCCTAGGC
CTGGGTTACTCGAAGTGCATCCTTGTGGCCATGACTGGGGTGCCTCCTTGCCTGGCATTCTCCATC
TACTACCCATCCCTGGTCGAGCGGATGGTGTGGTCAAGTGGTGCCTCCATGTCGGTGTACCAAGACTAT
TCCCTGCACCACATCAGCCAGTCTTCCGTTCCCACTACATGTTCTGTTCCAGCTGCCCTGGCTGCC
GAGAAGCTGCTGTCTATGTCTGACTTTTCAAGATTCTGAAGACCACCTCACCCACCGCAAGACAGGCATC
CCATGCTTGACCCCGAGCGAGCTCGAGGCTTCCCTTTAATACTTCTCACAGCCTGGTGGCCTCACTGGG
CCCCTCAACTACTACCGAAACCTTTCAGGAACCTCCCTGGAACCCAGGAGCTGACCACCCACA
TTGCTGCTGTGGGGGAGAAGGACACTTACTTGGAGCTGGGCTGGTGGAAAGCCATCGGCAGCCGCTTT
GTGCCGGCCGCTTGGAGGCCACATCCTGCCAGGCATAGGGCATTGGATCCCACAGGCAACCCCGAG
GAGATGCACCAAGTACATGTGGGCTTCTTGAAGACCTGCTGGACTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001142886

Insert Size: 1083 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).

**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:**

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\\_001142886.1](#)

RefSeq Size: 1771 bp

RefSeq ORF: 1083 bp

Locus ID: 79852

UniProt ID:	<u>Q9H6B9</u>
Cytogenetics:	19p13.12
Protein Families:	Transmembrane
MW:	40.9 kDa
Gene Summary:	<p>Catalyzes the hydrolysis of epoxide-containing fatty acids. Active in vitro against epoxyeicosatrienoic acids (EETs) including 8,9-EET, 9,10-EET, 11,12-EET and 14,15-EET and leukotoxin.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has an alternate 5'UTR. Transcript variants 1 and 2 encode the same protein.</p>