

Product datasheet for SC111978

ABHD9 (EPHX3) (NM_024794) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD9 (EPHX3) (NM_024794) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABHD9
Synonyms:	ABHD9; EH3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111978 sequence for NM_024794 edited (data generated by NextGen Sequencing)

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ATGCCGGAGCTGGTGGTGACCGCGCTGCTGGCGCCGTCGCGCCTGTCGCTGAAGCTGCTG
CGCGCCTTCATGTGGAGCCTGGTGTTCGCGTGGCGCTGGTGGCCGCGCGGTCTACGGC
TGCATAGCGCTCACGCACGTGCTGTGCCGGCCCCGGCGCGGCTGCTGCGGGCGCCGTCGG
AGCGCGTCCCCGCGCTGCTGAGCGACCCCTCGCTGGGTGAGCACGGTTTCTGAACCTC
AAGAGCTCGGGCCTGCGTCTGCACTATGTCTCGGCTGGACGAGGTAACGGACCCCTCATG
CTGTTTCTGCACGGCTTCCCTGAGAACTGGTTCTCCTGGCGTTACCAGCTCCGGGAGTTC
CAGAGCCGCTTCCATGTTGTGGCTGTGGACTTGCAGGCTATGGCCCTCGGATGCACCT
CGGGATGTGGACTGCTACACAATCGACCTGCTGCTGGTGGACATCAAAGATGTCATCCTA
GGCCTGGGTTACTCGAAGTGCATCCTTGTGGCCATGACTGGGGTGCCCTCCTTGCTGG
CATTTCTCCATCTACTACCCATCCCTGGTGCAGCGGATGGTTGTGGTCAAGTGGTCCCCC
ATGTCCGTGTACCAAGACTATTCCTGCACCACATCAGCCAGTTCTTCCGTTCCCACTAC
ATGTTCTGTTCCAGCTGCCCTGGCTGCCCGAGAAGCTGCTGTCTATGTCTGACTTTCAG
ATTCTGAAGACCACCTCACCCACCGCAAGACAGGCATCCCATGCTTGACCCCCAGCGAG
CTCGAGGCCTTCCCTTTATAACTTCTCACAGCCTGGTGGCCTCACTGGGCCCTCAACTAC
TACCGAAACCTCTCAGGAACCTCCCCCTGGAACCCAGGAGCTGACCACCCACATTG
CTGCTGTGGGGGAGAAGGACACTTACTTGGAGCTGGGGCTGGTGAAGCCATCGGCAGC
CGCTTTGTGCCGGGCGCTTGGAGGCCACATCCTGCCAGGCATAGGGCATGGGATCCCA
CAGAGCAACCCCAAGGAGATGCACCAGTACATGTGGGCCTTCTTGCAAGACCTGCTGGAC
TAG

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Clone variation with respect to NM_024794.2
1012 t=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024794 unedited
 GTTCGGATTTTGTAAATACGACTTCACTATAGGGCGGCCGCGATTTCGGCACCAGCCGCTGC
 TGCAGGTGCCCTGGCCGGCAGCGCCGCGTGGTCCCAGGAGCGCGGCACATGCCGGAGC
 TGGTGGTGACCGCGCTGCTGGCGCCGTCGCGCCTGTCGCTGAAGCTGCTGCGCGCCTTCA
 TGTGGAGCCTGGTGTCTCGGTGGCGCTGGTGGCCGCGCGGTCTACGGCTGCATAGCGC
 TCACGCACGTGCTGTGCCGGCCCCGGCGCGGCTGCTGCGGGCGCCGTCGGAGCGCGTCCC
 CCGCCTGCCTGAGCGACCCCTCGCTGGGTGAGCACGGTTTCTGAACCTCAAGAGCTCGG
 GCCTGCGTCTGCACTATGTCTCGGCTGGACGAGGTAACGGACCCCTCATGCTGTTTCTGC
 ACGGCTTCCCTGAGAACTGGTTCTCCTGGCGTTACCAGCTCCGGGAGTTCAGAGCCGCT
 TCCATGTTGTGGCTGTGGACTTGCAGGGCTATGGCCCCTCGGATGCACCTCGGGATGTGG
 ACTGCTACACAATCGACCTGCTGCTGGTGGACATCAAAGATGTCATCCTAGGCCTGNGTT
 ACTCGAAGTGCATCCTTGTGGCCATGACTGGGGTGCCCTCCTTGCTGGCATTCTTCCA
 TCTACTACCCATCCCTGGTCGAGCGGATGTTTGTGGTCAGTGGTCCCCATGTCGGTGTA
 CAAGACTATTNCCTGCACCCATCAGCCAGTTCTCCGTTCCACTACTGTTCCCTGTCCAG
 CTGCCNTGGCTGCCCAGAGCTGCTGGCTATGTCTGACTTTCAGATTCTGAAGACCACCC
 TTACCACCGCNAGACAGCATTCCATGCTTGACCCACAGAGCTCGAGGCCTTCTTTTTTA
 CNTCTCACGCCCTGTGGCCTCACTGGGCCCNTCACTACTACGAACCTCTTCAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024794 unedited
 AAAACCTAGGGTTTTGTCCTCTTTTCAATAAATACTTTAATTGAATAGCCAATGTGGTCA
 GCAGTATTGTATTAGAGTAGCACTGAGCTGAAGACCCAGGCAGGAGGTGAAGGCAGGG
 ACAGGAAGGTGAGGGTTAAGGTCTGTGCAGCTATGGCAGAGAAGCGACTTTGGCAAAGC
 GCAGAGTGAAGCCCCAGGAAGGGAGGAGGTGGGACACTCGGTCTCGGCATCTGGTCCAC
 TGGAAGAGAGGTATACCCAGTCCAGGGTCAAAGTGTGTTGTTACACACATGCATCCA
 TGCTGTGTGTGAGTATAGGGGTTGGTGTGCCGAGGCACCCATAGGTGCGCTTGTGTG
 GGATCCAGGAGTCCCATGCCTATGAGCGATTCAAGAGTTCACCCATGTATGGACATTGTA
 TGGACTCCCAGGCACACAGATAAATGGGTGTGTGTTCTTCTGAGTATCCATGCCTCC
 TGGGCAGGCCAGCAAGGACCACTAGTCCAGCAGGTCTTGAAGAAGGCCACATGTACTG
 GTGCATCTCTGGGGTGTCTGTGGGATCCCATGCCCTATGCCTGGCAGGATGTGGGC
 CTCCAAGCGGCCCGGCACAAAGCGGCTGCCGATGGCTTCCACCAGCCCCAGCTCCAAGTA
 AGTGTCTTCTCCCCCACAGCAGCAATGTGGGTGTGGTCAGCTCCTGGGGTCCAGGGG
 GAAGTTCCTGAAGAGGTTTCGGTAGTAGTTGAGGGGCCAGTGAGGCCCCCAAGCTGTGA
 GAAGTTTAAAGGGAAGCCTCGAGCTCGCTGGGGTCAAGCATGGGATGCCTGTCTTGCCGT
 GGGTGAAGGGGTCTTCAAATCTGAAATCAAACCTAAGCAGGAGCTTCTAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_024794

Insert Size:

1850 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:	NM_024794.1 , NP_079070.1
RefSeq Size:	1826 bp
RefSeq ORF:	1083 bp
Locus ID:	79852
UniProt ID:	Q9H6B9
Cytogenetics:	19p13.12
Domains:	abhydrolase
Protein Families:	Transmembrane
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 (1) has an alternate 5'UTR. Transcript variants 1 and 2 encode the same protein.</p>