

Product datasheet for **RC213486**

ABHD9 (EPHX3) (NM_024794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD9 (EPHX3) (NM_024794) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABHD9
Synonyms:	ABHD9; EH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213486 representing NM_024794 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGAGCTGGTGGTACC CGCTGCTGGCGCCGTCGCGCCTGTCGCTGAAGCTGCTGCGCGCCTTCA
TGTGGAGCCTGGTGTCTCGGTGGCGCTGGTGGCCGCGCGGTCTACGGCTGCATAGCGCTACGCACGT
GCTGTGCCGGCCCCGGCGCGCTGCTGCGGGCGCCGTCGGAGCGCTCCCCGCCTGCCTGAGCGACCCC
TCGCTGGGTGAGCACGGTTTCTGAACCTCAAGAGCTCGGGCCTCGCTGCACTATGTCTCGGCTGGAC
GAGGTAACGGACCCTCATGCTGTTTCTGCACGGCTCCCTGAGAACTGGTTCTCCTGGCGTTACCAGCT
CCGGGAGTTCAGAGCCGCTTCATGTTGTGGCTGGACTTGGCAGGCTATGGCCCTCGGATGCACCT
CGGGATGTGGACTGCTACACAATCGACCTGCTGCTGGTGGACATCAAAGATGTATCCTAGGCCTGGTT
ACTCGAAGTGCATCCTTGTGGCCATGACTGGGGTGCCCTCCTTGCTGGCATTCTCCATCTACTACCC
ATCCCTGGTCGAGCGGATGGTTGTGGTCAGTGGTGCCCCATGTCGGTGTACCAAGACTATCCCTGCAC
CACATCAGCCAGTTCTCCGTTCCCACTACATGTTCTGTTCCAGCTGCCTGGCTGCCGAGAAGCTGC
TGTCTATGTCTGACTTTCAGATTCTGAAGACCACCTCACCCACCGCAAGACAGGCATCCCATGCTTGAC
CCCCAGCGAGCTCGAGGCCTTCCCTTATAACTTCTCACAGCCTGGTGGCCTCACTGGGCCCTCACTAC
TACCGAAACCTTTCAGGAACTCCCTGGAACCCAGGAGTACCACACCCACATTGCTGCTGTGGG
GGGAGAAGGACACTTACTTGGAGCTGGGGCTGGTGGAAAGCCATCGCAGCCGCTTTGTGCCGGGCCGCTT
GGAGGCCACATCCTGCCAGGCATAGGGCATTGGATCCACAGAGCAACCCAGGAGATGCACCAGTAC
ATGTGGCCCTTCTGCAAGACCTGCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC213486 representing NM_024794
Red=Cloning site Green=Tags(s)

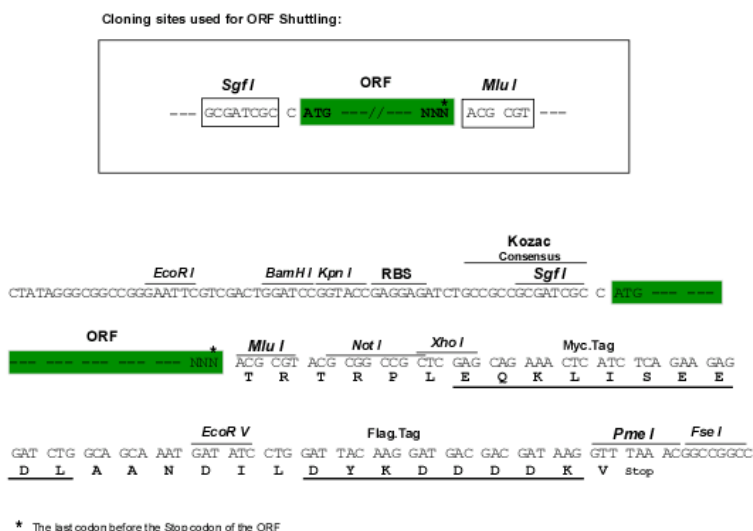
MPELVVTALLAPSRLSLKLLRAFMSLVFSVALVAAVYGCIALTHVLCRPRRGCCGRRRSASPACLSDP
 SLGHEGFLNLKSSGLRLHYVSAGRGNPLMLFLHGFENWFSWRYQLREFQSRFHVVAVDLRGYGPSDAP
 RDVDCYTDLLLVDIKDVLGLGYSKCILVAHDWGALLAWHFSIYYPSLVERMVVYSGAPMSVYQDYSLH
 HISQFFRSHYMFLLQPLWPEKLLSMSDFQILKTTLTHRKTGIPCLTPSELEAFLYNFSQPGLTGPLNY
 YRNLFRNFPLEPQELTPPTLLLWGEKDTYLELGLVEAIGSRFVPGRLEAHILPGIGHWIPQSNPQEMHQY
 MWAFLQDILLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6250_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024794

ORF Size: 1080 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_024794.3](#)

RefSeq Size: 1826 bp

RefSeq ORF: 1083 bp

Locus ID: 79852

UniProt ID: [Q9H6B9](#)

Cytogenetics: 19p13.12

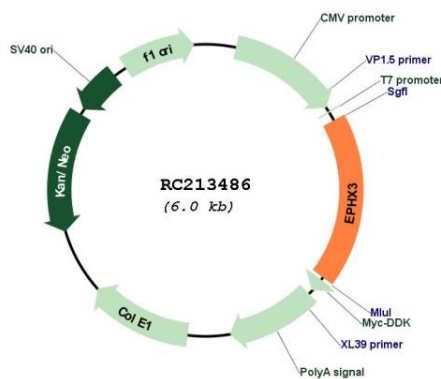
Domains: abhydrolase

Protein Families: Transmembrane

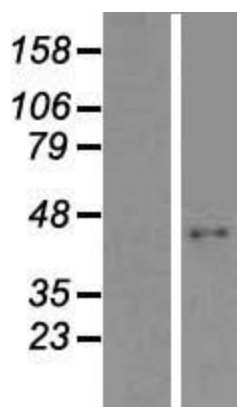
MW: 40.7 kDa

Gene Summary: 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]

Product images:



Circular map for RC213486



Western blot validation of overexpression lysate (Cat# [LY428295]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227588] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).