

Product datasheet for **SC325546**

ATPBD4 (DPH6) (NM_001141972) Human Untagged Clone

Product data:

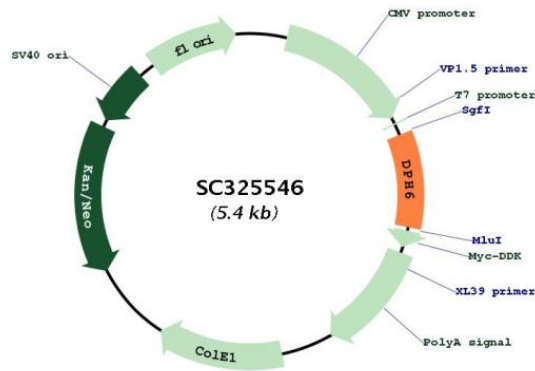
Product Type:	Expression Plasmids
Product Name:	ATPBD4 (DPH6) (NM_001141972) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPH6
Synonyms:	ATPBD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325546 representing NM_001141972. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGGGTCGCGGCTCTGATCAGTGGTGGGAAGGACAGCTGCTATAATATGATGCAGTGCATTGCTGCT
GGGCATCAGATCGTTGCTTTAGCAAATCTAAGACCAGCTGAAAACCAAGTGGGTCTGATGAACTGGAT
AGCTACATGTATCAGACAGTGGGCACCATGCCATTGACTTGTATGCAGAAGCAATGGCTCTTCCCTC
TATCGCCGAACCATAAGAGGAAGGAGCTTGATACAAGACAAGTGTACACCAAATGTGAAGGTGATGAG
GTTGAAGATCTCTATGAGCTTTTAAAATTGTTAAGGCATCACTAGAATGACCTTGCTTGCTGAATAT
GATGCTCTGAATCTCAAGATTTTACATGCATTTGAAAGTGGCAGCCAGGCGATTGTTTACAGGACT
CCAAATGAACTGTGCACTCACAGCAAGTTTGATAAACACACATTTCTCCTTTTATCAGTGAGATTGCA
AAATGTGAAGTATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN:	NM_001141972
Insert Size:	498 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_001141972.1](#)

RefSeq Size: 2380 bp

RefSeq ORF: 498 bp

Locus ID: 89978

UniProt ID: [Q7L8W6](#)

Cytogenetics: 15q14

MW: 18.7 kDa

Gene Summary: Amidase that catalyzes the last step of diphthamide biosynthesis using ammonium and ATP. Diphthamide biosynthesis consists in the conversion of an L-histidine residue in the translation elongation factor (EEF2) to diphthamide (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.