

## Product datasheet for **SC322707**

### ATPBD4 (DPH6) (NM\_080650) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ATPBD4 (DPH6) (NM_080650) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATPBD4
Synonyms:	ATPBD4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for SC322707  
 GCGCCCAGCATGAGGGTCGCGGCTCTGATCAGTGGTGGGAAGGACAGCTGCTATAATATG  
 ATGCAGTGCATTGCTGCTGGGCATCAGATCGTTGCTTTAGCAAATCTAAGACCAGCTGAA  
 AACCAAGTGGGGTCTGATGAACTGGATAGCTACATGTATCAGACAGTGGGGCACCATGCC  
 ATTGACTTGTATGCAGAAGCAATGGCTCTTCCCCTCTATCGCCGAACCATAAGAGGAAGG  
 AGCTTTGGATACAAGACAAGTGTACACCAAATGTGAAGGTGATGAGGTTGAAGATCTAT  
 GAGCTTTTGAAACTTGTTAAGGAAAAAGAAGTAGAGGGGATATCAGTAGGCTATA  
 CTTTCTGACTATCAGCGTATTCGAGTGGAAAATGTGTGTAAGGCTTAATCTCCAGCCT  
 TTAGCTTATCTTTGGCAGAGAAAACCAGGAAGATTTGCTCAGAGAGATGATATCATCTAAC  
 ATTCAAGCAATGATCATCAAAGTAGCAGCTTTGGGTTTAGATCCTGATAAGCATCTTGGG  
 AAAACCTGGATCAAATGGAGCCTTATCTCATAGAGCTTTCTAAGAAGTATGGAGTACAT  
 GTTTGTGGAGAAGGTGGAGAGTATGAACTTTCACCTTTGGATTGCCCTCTATTTAAGAAG  
 AAAATAATTGTGGATTCATCAGAAGTAGTCATACATTAGCTGATGCATTTGCACCTGTG  
 GCTTATCTACGCTTTTTAGAATTGCACTTGGAGGACAAGGTGTCCTCAGTGCCTGACAAC  
 TACAGAACATCTAATTATATATAATTTTTGAAAAGTGTGTTTGAACATTGTTTCATTAA  
 ACCACCATTTCTATACAAAAAATTGCATAGTATTTTCTCAGTACTATGACTAGTTTAT  
 TTTTTTCTCATGACTCTATTTTTTTAGAGAAACATACTTTCACCTAGAAGAGGTTAGTGG  
 AACCATTTATTAATTGGGAAAATGTCGACGGCATGTTTCAATAGTGCCAACTTTCTTG  
 GAATTCACCTCTTCTCTTTCATTAACACATCTTCCCTATGACCTTTTTTTCTTTTATTT  
 CATCTATAAACCCCATTTCTGTAGCATTCTTTTTTTATCACACTAGTTTCTTTTCTCC  
 TTCTCTCTTTCTGTCCAATCCCTACCAATAATGTCATGATGCAGAGGCATTTGAAAAT  
 GAAGATGAAAAGATGGTCACTTTATTTAGCCAGTCAAGCTTATTCTACTGGGTGTCGCCA  
 AAGCGATTTATCATTTTTATTTAAATATATTCATGGTTGAAGTGTTCACGTTATTGG  
 ACAATTAGGAAGAATGTCCTTAACTCTTACAAGTATTTTATAACTGATTTTTAAATGC  
 TGTTTTTCACTATTAAGTATGTTGACCTTAGAAAATTTTACAAAAAATAGACTTTATGT  
 TTTAGAACAGTTTTAGGTTACAGCAAAAATGGAGCAGAAAATGCAGAGATTTCCCATAT  
 ACCCTCTACCTCCACACATTCACAGCCTCCCCTACCGTCAATGTCTTATAATAGAGTGGT  
 ACATTTGTTACAAGTATGAACTACATTGACACATTATTATCACCCAAAGTCCATAGTT  
 TACGTGAGGGTTCACCTCTGGTGTGTACATAATATGGGTTTTGACAAAATGTGAATGAC  
 ATTTGTCAACCGTTATAGTATTATACAGAATAATTTCACTGCCTTAAAAAATCCTCTGTG  
 TTTTACTTATTATCCCTCCCTCTCTTTAACCTTAGCAACTGATCTTTTCACTGTGTA  
 CATAGTTTTGCTTTTACCAGAATGTAATGTAGTTGAAATCATACAGTATATAGCTTTTCA  
 TGCAATATAGCTTTTCAAGATTGGCTTCTTTCATGTATTAATATGCATTTAGGTTTCTC  
 TGTATCTTGCATGTATATGTAGCTCATTTTTTTTTTAGTGTAGAATAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_080650

**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\\_080650.2](#), [NP\\_542381.1](#)

**RefSeq Size:** 2093 bp

**RefSeq ORF:** 804 bp

**Locus ID:** 89978

**UniProt ID:** [Q7L8W6](#)

**Cytogenetics:** 15q14

**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 (1) encodes the longer isoform (1).