

Product datasheet for **SC120394**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_080650, the custom clone sequence may differ by one or more nucleotides

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ATGAGGGTCGCGGCTCTGATCAGTGGTGGGAAGGACAGCTGCTATAATATGATGCAGTGCATTGCTGCTG
GGCATCAGATCGTTGCTTTAGCAAATCTAAGACCAGCTGAAAACCAAGTGGGGTCTGATGAACTGGATAG
CTACATGTATCAGACAGTGGGGCACCATGCCATTGACTTGTATGCAGAAGCAATGGCTCTTCCCCTCTAT
CGCCGAACCATAAGAGGAAGGAGCTTGGATACAAGACAAGTGTACACCAAATGTGAAGGTGATGAGGTTG
AAGATCTCTATGAGCTTTTGAACCTTGTTAAGGAAAAAGAAGAAGTAGAGGGGATATCAGTAGGTGCTAT
ACTTTCTGACTATCAGCGTATTCGAGTGGAAAAATGTGTGTAAGGCTTAATCTCCAGCCTTTAGCTTAT
CTTTGGCAGAGAAACCAGGAAGATTTGCTCAGAGAGATGATATCATCTAACATTCAGCAATGATCATCA
AAGTAGCAGCTTTGGGTTTAGATCCTGATAAGCATCTTGGGAAAACCCCTGGATCAAATGGAGCCTTATCT
CATAGAGCTTTCTAAGAAGTATGGAGTACATGTTTGTGGAGAAGGTGGAGAGTATGAAACTTTCACCTTG
GATTGCCCTCTATTTAAGAAGAAAATAATTGTGGATTCATCAGAAGTAGTCATACATTCAGCTGATGCAT
TTGCACCTGTGGCTTATCTACGCTTTTGAATTCACCTTGGAGGACAAGGTGTCCTCAGTGCCTGACAA
CTACAGAACATCTAATTATATATAATTTTTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_080650 unedited TACGACTCACTATAGGGCGGCCGAATTGGCACGAGGGAGGGTTCGCGGCTCTGATCAGT GGTGGGAAGGACAGCTGCTATAATATGATGCAGTGCATTGCTGCTGGGCATCAGATCGTT GCTTTAGCAAATCTAAGACCAGCTGAAAACCAAGTGGGGTCTGATGAACTGGATAGCTAC ATGTATCAGACAGTGGGGCACCATGCCATTGACTTGTATGCAGAAGCAATGGCTCTTCCC CTCTATCGCCGAACCATAAGAGGAAGGAGCTTGGATAACAAGACAAGTGTACACCAATGT GAAGTGATGAGGTTGAAGATCTCTATGAGCTTTTAAAAGTGTAAAGGAAAAAGAA GTAGAGGGGATATCAGTAGGTGCTATACTTTCTGACTATCAGCGTATTTCGAGTGGAAAAT GTGTGTAAGGCTTAATCTCCAGCCTTTAGCTTATCTTTGGCAGAGAAAACAGGAAGAT TTGCTCAGAGAGATGATATCATCTAACATTCAAGCAATGATCATCAAAGTAGCAGCTTTG GGTTTAGATCCTGATAAGCATCTTGGGAAAACCCTGGATCAAATGGAGCCTTATCTCATA GAGCTTTCTAAGAAGTATGGAGTACATGTTTGTGGAGAAGGTGGAGAGTATGAACTNTC ACTTTGGATTGCCCTCTATTTAAGAAGAAAATATTGTGGATTCATCAGAAGTAGTCATAC ATTCAGCTGATGCATTTGCACCTGTGGCTTATCTACGCTNTTTAAATTGCACTTGGAGAC AGGTGTNCTCAGTGCCTGACACTACAGACATCTATTATTATATAATTTTAAAAGTGGTTT GGAACATTGNTCATTTAACACCATTTCTTACANANAATTCATAGTATNTCTCAGTACATG ACTAGTATTTTTTCTCAGACTCTNATTTTTTGAGAAACATACTTCACTAGAGAGGTANT GGACCATTATAATGGGAAAGTCGACGC
Restriction Sites:	NotI-NotI
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).
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:	<u>NM_080650.2</u> , <u>NP_542381.1</u>
RefSeq Size:	2093 bp
RefSeq ORF:	804 bp
Locus ID:	89978
UniProt ID:	<u>Q7L8W6</u>
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).