

## Product datasheet for **SC321580**

### DPH2 (NM\_001384) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DPH2 (NM_001384) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPH2
Synonyms:	DPH2L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:**

>OriGene sequence for NM\_001384.4  
 AGAAACAGTAGTTAGGATGGCTGAAGGGGATACTACCGGCTGAAGGCCGACTGTGATTC  
 CCCCTACCCCAACAAGGCGATTTTGACCCCTGAGGGCTGCTCTAGAGGACTCAGGCCCC  
 GAAGCTGTCCCAGGGAGTCCCCGCTGCATCCCACCACCAAGCTGTGCCTCATGGAGTC  
 GATGTTTAGCAGCCCTGCCGAGGCGGCTGCAGCGAGAGACCGGGTGCCAGGACTGT  
 TACTCCTCTTCCGGACCTGGACGGAGTGTACGAGCTGGAGCGAGTCGCTGGATTTGTCCG  
 CGACCTGGGGTGTGAACGAGTTGCCTTGCAGTTCCTGACCAGCTATTGGGAGATGCTGT  
 GGCTGTGGCTGCACGACTGGAGGAGACGACAGGGTCAAAGATGTTTCATTCTGGGTGACAC  
 AGCCTACGGCAGCTGCTGCGTGGATGTGCTGGGTGCTGAGCAAGCTGGAGCTCAGGCTCT  
 CATAATTTTGGCCCTGCCTGCTTAAGCCCTCCAGCCCGCCACTGCCGTTGCCTTCGT  
 GCTTCGCAACGTTCTGTGGCCTTGAGGCTCTGTGTCAAGGCCTTTGAGGCCAGAACCC  
 AGACCCCAAAGCGCCTGTGGTGTGCTGAGTGAGCCGGCCTGTGCCATGCCCTGGAGGC  
 TTTGGCTACTCTCTGCGCCACGGTACCTGGACCTGCTAGTCTCCAGCCAGCTTTTCC  
 CCAACCAGTGGGTCCCTGAGTCCAGAGCCTATGCCCTAGAGCGTTTTTGGGCGCCGCTT  
 CCCCTTGCCCCAGGGAGCGCTCTAGAAGAGTATGGTGCCTTCTATGTAGGGGGCTCTAA  
 GGCCAGCCCTGACCCAGACCTTGACCCAGACCTGAGTCGGCTGCTCTGGGGTGGGCACC  
 AGGTCAACCCCTTCTCTCTGCTGTCCAGATACAGGGAAGACTCAGGATGAGGGTGCCCG  
 GGCTGGACGGCTAAGGGCACGAAGACGATATCTGGTAGAGAGGGCCAGAGATGCCCGCT  
 GGTAGGGCTGCTGGCAGGCACACTGGGTGTAGCCCAACACCGTAGGGCACTGGCCCACTT  
 GCGGAACCTGACTCAGGCTGTGGCAAGCGTAGCTATGTGTTGGCCCTGGGGCGGGCCAC  
 CCCTGCCAAGCTTGCCAACTTCCCTGAGGTGGATGTCTTTGTGCTATTAGCCTGTCTCT  
 GGGTGTCTAGCCCCCAGCTTTCTGGTAGCTTCTTCCAGCCTATACTGGCACCATGTGA  
 GCTGGAAGCTGCCTGCAACCCTGCCTGGCCACCTCCAGGCTGGCTCCCCACCTCACACA  
 TTATGCGGACTTATTGCCTGGCTCTCCCTTCCAGTGGCTCTCCACCACTGAGTCAGA  
 GCTGTGGGAAACCCAGACGTGTCACTACTTACTGGAGATCTCCGACCCACCTGCCTG  
 GAAGTCATCAAATGATCATGGAAGCTTGGCTCTGACCCACGGCCAGCTGGAGCTGGC  
 TGAGAGCAGTCTGCAGCCTCATTCTTCTAGTTCCTGGAGCTGGCAAGGGCTGGAGCCCCG  
 CCTGGGTGAGACGCCAGTGACAGAAGCTGTGAGTGGAAGACGAGGGATTGCCATCGCCTA  
 TGAGGATGAGGGAAGCGGCTGATACCATGTGGGGCTGGAGACATAGATGGACTTATGAAT  
 GGCTGCTAGGACCTTTAGTGTCTCCCTGCACCAACCTCCCATCCCCCTGCCAAGATCCTTG  
 AAGGACCTGGAAGGAGGAGAGCAGGCAGCCCTTACAGGATAGGATCCGTCTCTGTCC  
 TGTCTGGCACTGGCACAAAGCTCAGCCATGCCAGTAATGCGTGTGTTTGGCTGATGG  
 AATAAAGGGCTTAGGGACTTCCCTGAGGCTCTGGACCCATCTGTCTTCTGAGGGCAGC  
 CCAGGACCTTTGGCCAATCCCAGTTCACAGGCTGCAGTTGAGGGTCTGTCTTGTCAAAA  
 GGCAGGTGCTAGACAGCTAGACCAGGGTTTCTCAAACCTGACTTGGACATTTGGGGCCA  
 GATAATTTCTTGTGTGGGGCTGTCTGGTGTATGGTAGGGTGTCTCAGCAGCATCCCTGGC  
 CTCTGCCCACTAGACATCAGAAGCACTCCCCAGTTGTGACAACCAAAAATATCTCCAGA  
 CCTTGGCAAATGTTATCTGTGGGGGAAAATTGCCCTCAATTGAGAACCACTGGTCTAGCT  
 AGACCTGCAGTCCAGTACAGTAGCCACTAAATACATGTGGCTAAACTTAAATTTAAGT  
 TAATTAAGATTAAGCTCAGTTTCTCAGTCACATTAGTCATTCAAGTGTTCAGACAGCC  
 ACATGAGGGGACAGTGCAGCTACAGGATATGCCATCATGGCAGAAAGTTCTGTTGTTGG  
 ACAGCTTTGGTCTATACTGACTCTTATTTCTCAGGGAGATCACAGCAACCTAAATAAAC  
 AGATACCTTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001384

**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).

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001384.4</a></u> , <u><a href="#">NP_001375.2</a></u>
<b>RefSeq Size:</b>	2513 bp
<b>RefSeq ORF:</b>	1470 bp
<b>Locus ID:</b>	1802
<b>UniProt ID:</b>	<u><a href="#">Q9BOC3</a></u>
<b>Cytogenetics:</b>	1p34.1
<b>Domains:</b>	Diphthamide_syn
<b>Gene Summary:</b>	<p>This gene is one of two human genes similar to the yeast gene dph2. The yeast gene was identified by its ability to complement a diphthamide mutant strain, and thus probably functions in diphthamide biosynthesis. Diphthamide is a post-translationally modified histidine residue present in elongation factor 2 (EF2) that is the target of diphtheria toxin ADP-ribosylation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a).</p>