

Product datasheet for **SC123683**

DPH3 (BC010181) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPH3 (BC010181) Human Untagged Clone
Tag:	Tag Free
Symbol:	DPH3
Synonyms:	deafness locus putative guanine nucleotide exchange factor intera; DELGIP; DELGIP1; DESR1; DPH3 homolog (KT111, <i>S. cerevisiae</i>); DPH3A; DPH3A, KT111 homolog A; KT111; MGC20197; ZCSL2; zinc finger, CSL-type containing 2; zinc finger, CSL domain containing 2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC010181 edited CCTTCGGCCACCCCGCTGACCATGGCAGTGTTTCATGACGAGGTGGAAATCGAGGACTT CCAATATGACGAGGACTCGGAGACGTATTTCTATCCCTGCCCATGTGGAGATAACTTCTC CATCACC AAGGAAGATTTGGAGAATGGGAAGACGTGGCAACGTGCTCCTAGCTGCTCTCT CATTATAAAAGTGATTTATGACAAAGATCAGTTTGTGTGTGGAGAAACAGTCCCAGCCCC TTCAGCCAACAAGAATTAGTTAAATGCTGAAGAAGCCTTCAGGAATCCAATCCTGAAC ATTTGGAATGAGCCCAGATAGAAATATCGAATGCAAAGCTACTGGCTTACAGAGACAAC CATTTATGATTTGCTGTTCTGTAAGAGTGTGGATTCTTTCTATCAACTGCTGATATCATC TTCAGGAAGCAAGTCCATAACATGACATATCTGGATTTTGTGCTTAGAACCTTAAATTGG AAGCATTCTTAATTATGCATCTAAATTTAAAAGAAGATAATTTCAAACAGTAAAAAAA AAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC010181 unedited TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCCTTCGGCCACCCCGCTGAC CATGGCAGTGTTTCATGACGAGGTGAAATCGAGGACTTCCAATATGACGAGGACTCGGA GACGTATTTCTATCCCTGCCCATGTGGAGATAACTTCTCCATCACCAAGGAAGATTTGGA GAATGGGAAGACGTGGCAACGTGCTCTAGCTGCTCTCATTATAAAAGTGATTTATGA CAAAGATCAGTTTGTGTGTGGAGAAACAGTCCCAGCCCTTCAGCCAACAAGAATTAGT TAAATGCTGAAGAAGCCTTCAGGAATCCAATCCTGAACATTTGGAATGAGCCAGATAG AAATATCGAATGCAAAGCTACTGGCTTCACAGAGACAACCATTTATGATTTGCTGTTCTG TAAGAGTGTGGATTCTTTCTATCAACTGCTGATATCATCTTCAGGAAGCAAGTCCATAAC ATGACATATCTGGATTTTGTGCTTAGAACCTTAAATTGGAAGCATTCTTAATTATGCATC TAAATTTAAAAGAAGATAATTTCAAACAGTAAAAAAAAAAAAAAAAAACTCGACTCTAG ATTGCGGCCGCGTTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCC TCCCCAGTGCCTCTCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTTA ATAAAAANTAAAGTGCATCATTTTGTCTGACTAGGTGCTCTCTATAATATTATGGGGTGG AGGGGG
Restriction Sites:	Please inquire
ACCN:	BC010181
Insert Size:	558 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).
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:	BC010181.2 , AAH10181.1
RefSeq Size:	549 bp
Locus ID:	285381
Cytogenetics:	3p25.1
Gene Summary:	This gene encodes a CSL zinc finger-containing protein that is required for diphthamide biosynthesis. The encoded protein is necessary for the initial step in the modification of a histidine residue in elongation factor-2 to diphthamide. This modified residue is a target for ADP ribosylation by the bacterial toxins diphtheria toxin and Pseudomonas exotoxin A. Alternative splicing results in multiple transcript variants that encode the same isoform. [provided by RefSeq, Feb 2009]