

Product datasheet for **SC210045**

DPH5 (NM_015958) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	DPH5
Synonyms:	AD-018; CGI-30; HSPC143; NP015
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PSI00062)
ACCN:	NM_015958
Insert Size:	815 bp

Insert Sequence: >SC210045 3'UTR clone of NM_015958
The sequence shown below is from the reference sequence of NM_015958. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TCAGAACTCTCAAAGCATCAATGGACTTGAACATAGATATTTACCATTGTCTGATGTAATTTTCAGCCA
TATATGGATTGATATGGTTTGGATGTATCCCAACCAAGTCTCATCTTGAATTTAATCCTCATAATTC
CCAGGTGTTGTGGTAGGTAATTGAATCATGGGGCAGTTTCCCTCATGCTATTCTCATGATAGTGAGCT
TTCATGAGATCTGATGGTTTTATAAGTGCCTGGCATTTCCTCTACTGGCTCTCATTCTCACTCTTGCCG
CCCTGTGAAGAGGTGCCTTCCACCGTATTGTTAAGTTTCTGAGGCCTTCCAGCCATGTGGAAGTGT
GAGTCGAAAATTAACCTCTTTTATAATTACCCAGTCTCGGGTATTTCTCATAGCAGTGTGAGAATGG
ATTAATACCTGGATGCATGCATGTTTGTGAACAAACAGGTCTTTTGGCTTATCTAGTAAGTATAAAAC
AAGTGACCAAAAAGAAGTTGACTCAACAATGCTTGGTTTCTTGTGGCAGTGAGTTTTTCCCTATGATA
TCATCAGTTGTTGCTGCTATTTTGGCAATTTTCAGGATGTACACATAAAGCAGACCAAGGCTGGAAGC
TTGTGGATAGACATCCACTGACAGAATCATTTAAGAGCAGTTTTTATTTATGAAACCAATTTATACAAG
GTGGTTGTTAACAGAATATACTTAGAGGTAAGTGAATTTGAATCACTGTAATCTGTTTTAAAGGTA
AAAAATGTTATGAGTGCCAAGAAAAGCAATAAAAGATTAGTAAATGTTTCAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015958.3
Summary:	This gene encodes a component of the diphthamide synthesis pathway. Diphthamide is a post-translationally modified histidine residue found only on translation elongation factor 2. It is conserved from archaebacteria to humans, and is targeted by diphtheria toxin and Pseudomonas exotoxin A to halt cellular protein synthesis. The yeast and Chinese hamster homologs of this protein catalyze the trimethylation of the histidine residue on elongation factor 2, resulting in a diphthine moiety that is subsequently amidated to yield diphthamide. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Locus ID:	51611
MW:	31.2