

Product datasheet for **SC210044**

DPH5 (NM_001077394) 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_001077394
Insert Size:	815 bp
Insert Sequence:	>SC210044 3'UTR clone of NM_001077394 The sequence shown below is from the reference sequence of NM_001077394. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC TCAGAACTCTCAAAGCATCAATGGACTTGAACATAGATATTTACCATTGTCTGATGTAATTTTCAGCCA TATATGGATTGATATGGTTTGGATGTATCCCAACCAAGTCTCATCTTGAATTTAATCCTCATAATTC CCAGGTGTTGTGGTAGGTAATTGAATCATGGGGCAGTTTCCCTCATGCTATTCTCATGATAGTGAGCT TTCATGAGATCTGATGGTTTTATAAGTGCCTGGCATTTCCTCTACTGGCTCTATTCTCACTCTTGCCG CCCTGTGAAGAGGTGCCTTCCACCGTATTGTTAAGTTTCTGAGGCCTTCCAGCCATGTGGAAGTGT GAGTCGAAAATTAACCTCTTTTATAATTACCCAGTCTCGGGTATTTCTCATAGCAGTGTGAGAATGG ATTAATACCTGGATGCATGCATGTTTGTGAACAAACAGGTCTTTTGGCTTATCTAGTAAGTATAAAAC AAGTGACCAAAAAGAAGTTGACTCAACAATGCTTGGTTTCTGTGGCAGTGAGTTTTTCCCTATGATA TCATCAGTTGTTGCTGCTATTTTGGCAAATTTTCAGGATGTACACATAAAGCAGACCAAGGCTGGAAGC TTGTGGATAGACATCCACTGACAGAATCATTTAAGAGCAGTTTTTATTTATGAAACCAATTTATACAAG GTGGTTGTTAACAGAATATACTTAGAGGTAAGTGAATTTGAATCACTGAACTGTTTTAAAGGGTA AAAAATGTTATGAGTGCCAAGAAAAGCAATAAAAGATTAGTAAATGTTTACAAAA ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTCTATGAAAGG </pre>

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:	<u>NM_001077394.2</u>
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