

Product datasheet for **MC210409**

Dph6 (NM_025675) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dph6 (NM_025675) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dph6
Synonyms: 5730421E18Rik; Atpbd4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210409 representing NM_025675
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGGTCGCGCCCTGATCAGTGGTGGGAAGGACAGCTGTTACAACATGATGCAGTGCATTGCTGAGG
GGCATCAAATTGTTGCATTAGCAAATCTAAGACCAGATGAAAACCAAGTGGAGTCAGATGAACTGGATAG
CTATATGTATCAGACAGTGGTCCACCATGCCATTGACTTGTATGCTGAAGCAATGGCGCTGCCCTGTAT
CGCAGAGCCATCAGAGGAAGGAGCTTGGAGACAGGAAGAGTTTATACGCAATGTGAAGGTGACGAGGTTG
AAGATCTCTATGAACTGTTGAACTTGTAAAGGAAAAAGAAGAAATCGAAGGGGTATCAGTAGGTGCTAT
ACTCTCTGACTATCAACGTGGACGAGTAGAAAATGTATGTAACGACTCAATCTCCAGCCTTTAGCTTAT
CTTTGGCAAAGAAACCAGGAAGATTTGCTCCGAGAGATGATAGCTTCTAATATCAAGGCCATTATCATCA
AAGTAGCAGCTTTGGCTTAGATCCTGATAAGCATCTTGGGAAAACCTGGTTGAAATGGAGCCTTATCT
TTTAGAGCTTTCTAAGAAGTACGGTGTCCACGTGTGTGGAGAAGGTGGAGAGTATGAGACATTACAGTTG
GACTGCCCTCTATTCAAGAAGAAGATTGTTGTGGACTTTCAGAAGCAGTCATGCACTCAGCGGATGCAT
TCGCACCTGTGGCTTATCTGCGGCTCTCCCGCTGCACCTTGAAGAGAAAAGTGTGTCGTCAGTACCTGCGGA
TGATGAAACAGCTAACTCTATACACAGCTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_025675
Insert Size: 804 bp



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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:	NM_025675.4 , NP_079951.1
RefSeq Size:	2700 bp
RefSeq ORF:	804 bp
Locus ID:	66632
UniProt ID:	Q9CQ28
Cytogenetics:	2 E4
Gene Summary:	<p>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 2 (EEF2) to diphthamide (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate splice junction in the 3' end compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>