

Product datasheet for **RN206996**

Dph6 (NM_001014181) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dph6 (NM_001014181) Rat Untagged Clone
Tag: Tag Free
Symbol: Dph6
Synonyms: Atpbd4; RGD1310006
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN206996 representing NM_001014181
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGGGTCGCAGCCCTGATCAGTGGTGGGAAGGACAGCTGTTACAACATGATGCGGTGCATTGCCGAGG
GGCACAAATTGTTGCATTAGCAAATCTAAGACCAGATGACAACCAAGTGGAGTCAGATGAACTGGATAG
CTACATGTATCAGACAGTGGGTACCATTGCCATTGACTTGTATGCTGAGGCAATGGCCCTGCCCTGTAT
CGCAGAACCATCAGAGGAAGGAGCTTGGAGACGGGAAGAGTGTATACCAGATGTGAAGGTGATGAGGTTG
AAGATCTCTATGAACTATTAAGCTCGTTAAGGAAAAAGAAGAAATAGAAGGGGTATCAGTAGGTGCTAT
ACTTTCTGACTATCAGCGTGTACGAGTAGAAAATGTATGTAACGACTCAATCTCCAGCCTTTAGCTTAC
CTTTGGCAGAGAAACCAGGAAGATTTGCTCCGAGAGATGATAGCATCTAATATCGAGGCTATTATCATCA
AAGTAGCAGCTTTGGCTTGGATCCTGATAAGCATCTTGGAAAAACCCTGGGTGAAATGGAACCTTATCT
TTTAGAGCTCTCCAAGAAGTATGGTGTCCATGTGTGTGGAGAAGGTGGGGAGTATGAGACGTTACATTG
GACTGCCCTCTGTTCAAGAAGAAGATCGTTGTGGACACTTCTGAGGCAGTCATCCATTAGCCGATGCAT
TTGCACCTGTGGCTTATCTGCGGCTCTCAGGGCTGCACCTTGAAGAGAAGGTGTCTTCAGTACCTGGGA
TGATGAAACAACCTAGTTATATACACAATTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014181
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:	<u>NM_001014181.1</u> , <u>NP_001014203.1</u>
RefSeq Size:	2512 bp
RefSeq ORF:	804 bp
Locus ID:	362191
UniProt ID:	<u>Q5M9F5</u>
Cytogenetics:	3q35
Gene Summary:	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 eEF-2 (EEF2) to diphthamide (By similarity).[UniProtKB/Swiss-Prot Function]