

Product datasheet for **MC216499**

Dph7 (NM_026044) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dph7 (NM_026044) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dph7
Synonyms:	2810443J12Rik; AW060693; Wdr85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216499 representing NM_026044
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGTAGCCACGCAGGGACGTTGCGAGTCTGCAGGCAGTAGACACTGAGCTTACCGCGGACTCGG
 TGGAAATGGTGCCAGTAGAAGGTTACCAGCATCTGCTGGCCTGCGGAACCTACCAGCTGCGAGCGCCAG
 GGACCAGCCTGCACTGGATGGCAGTGAGCCTCAAGTTCGTTTAGGTCGTCTCTACCTGTTAGCTTCAGT
 GAGCACAAACGGCTAAACCTCTGCTTGAGGTCCAAAGAAGGGACTCTTCTGCTGTCTGGACATGAAAT
 GGTGCCACATCCCAGTCTCTGGCCATGTGCTTTTAGGCTTGGCAAACGCCAGTGGATCCATAGGGCTGCT
 CCGCCTGATGGAATGTGAGAACAACAGTTACACCCTGCAGCCAATATCCAGCCTCGCCCTGGATGAGAAT
 TGTCTGCTTGTCAATGGATTGGTCCACTGGGAAATCTGTCAGGGCCAGAGAACAGCCCTGAAGATCA
 TTAGCAGTGATTCTAAGGGCAGTTGCACCTCCTGATGGTGAATGAGGGCACAGCTGAACACTACAGCTAGT
 AGCATCTTGGCCAGCCATCACTTTGAGGCCTGGATTGCTGCTTTCAATTACTGGCAGACAGAACTCGTG
 TATTACAGGGGAGATGACTGCCTTCTGAGAGGCTGGGACACTAGGATGCTGGGCACACCTGTCTTACTA
 GCAAAAGACATTGCATGGGTGTGTGCAGCATCCAGAGCAGCCCCATCAGGAGCATATACTGGCAACTGG
 AAGCTATGATGAGCATGTTCTGCTGTGGGACACTCGAAACATAAGACAGCCATTGGCGGATGTACCAGTG
 CAAGGAGGTGTGTGGAGGCTCAAGTGGCACCCAGTTCACCACCATCTACTCCTGGCGCCTGCATGCACA
 ATGGCTTCAAGATTCTCAACTGCCAGAAGGCCATTGAGGAGAAGCAGGACATAACTGTTTTAACATCCCA
 CGAAATGCCTAACTATTAGTATATGGGGCTGACTGGTCTGGCTTTTCCATTCCATGAAGCCACTCCT
 ACCTGGTTCTTTGATCAGAATGACATGGGAGTCAAAGCAGCAGACCCTCTAGCCTAAAGGTCACAGAGG
 AGCCACCAATACATTCTCAGGAACAACCATGGATCGCCAAGTGGAAAGGCCCCGTAACGCTCATACCAG
 AGCTGAAGTGAAGGCTTCTCCTTCCATTAACAGAGGACATGAAAAACAGCAAAGACTGCTCCTCATCC
 TCAGTCAAGACTCGTGATCTTAGCCACTGCTCTGGTGGGAGAGCTTTGACAATAGCCTCCTGGCCACCT
 GCTCCTTTATGACCATGTTCTCCACCTTTGGAAGTGGGAGACGAATCAAGCTCGCACTCTTTCAGTGG
 CACTGGATGTGATTTGGGGAGTGTGACCATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_026044
- Insert Size:** 1434 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:**
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_026044.3](#), [NP_080320.1](#)

RefSeq Size: 2952 bp

RefSeq ORF: 1434 bp

Locus ID: 67228

UniProt ID: [Q9CYU6](#)

Cytogenetics: 2 A3

Gene Summary: Catalyzes the demethylation of diphthine methyl ester to form diphthine, an intermediate diphthamide biosynthesis, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (a).