

Product datasheet for **MR217540**

Dph7 (NM_026044) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dph7 (NM_026044) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>MR217540 representing NM_026044
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGTAGCCACGCAGGGACGTTGCGAGTCTGCAGGCAGTAGACACTGAGCTTACCGCGGACTCGG
 TGGAAATGGTGCCAGTAGAAGGTTACCAGCATCTGCTGGCCTGCGGAACCTACCAGCTGCGAGCGCCAG
 GGACCAGCCTGCACTGGATGGCAGTGAGCCTCAAGTTCGTTTAGTTCGTCTCTACCTGTTGAGCTTCAGT
 GAGCACAAACCGGCTAAACCTCTGCTTGAGGTCCAAAGAAGGGACTCTTCTGCTGTCTGGACATGAAAT
 GGTGCCACATCCCAGTCTCTGGCCATGTGCTTTTAGGCTTGGCAAACGCCAGTGGATCCATAGGGCTGCT
 CCGCCTGATGGAATGTGAGAACAACAGTTACACCCTGCAGCCAATATCCAGCCTCGCCCTGGATGAGAAT
 TGTCTGCTTGTCAATGGATTGGTCCACTGGGAAATCTGTCAGGGCCAGAGAACAGCCCTGAAGATCA
 TTAGCAGTGATTCTAAGGGCAGTTGCACCTCCTGATGGTGAATGAGGGCACAGCTGAACACAGCTAGT
 AGCATCTTGGCCAGCCATCACTTTGAGGCCTGGATTGCTGCTTCAATTACTGGCAGACAGAACCTCGTG
 TATTACAGGGGAGATGACTGCCTTCTGAGAGGCTGGGACACTAGGATGCTGGGCACACCTGTCTTACTA
 GCAAAAGACATTGCATGGGTGTGTGCAGCATCCAGAGCAGCCCCATCAGGAGCATATACTGGCAACTGG
 AAGCTATGATGAGCATGTTCTGCTGTGGGACACTCGAAACATAAGACAGCCATTGGCGGATGACCAGTG
 CAAGGAGGTGTGTGGAGGCTCAAGTGGCACCCAGTTACCACCATCTACTCCTGGCGGCCTGCATGCACA
 ATGGCTCAAGATTCTCAACTGCCAGAAGGCCATTGAGGAGAAGCAGGACATAACTGTTTTAACATCCCA
 CGAAATGCCTAACTATTAGTATATGGGGCTGACTGGTCTGGCTTTTCCATTCCATGAAGCCACTCCT
 ACCTGGTTCTTTGATCAGAATGACATGGGAGTCAAAGCAGCAGACCCTTAGCCTAAAGGTACAGAGG
 AGCCACCAATACATTCTCAGGAACAACCATGGATCGCCAAGTGGAAAGGCCCGCTAACGCTCATACCAG
 AGCTGAACCTGAAGGCTTCTCCTTCCATTAACAGAGGACATGAAAAACAGCAAAGACTGCTCCTCATCC
 TCAGTCAAGACTCGTGATCTTAGCCACTGCTCTGGTGGGACAGAGCTTTGACAATAGCCTCCTGGCCACCT
 GCTCCTTTATGACCATGTTCTCCACCTTTGGAAGTGGGAGACGAATCAAGCTCGCACTCTTTCAGTGG
 CACTGGATGTGATTTGGGGAGTGTGACCAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217540 representing NM_026044
 Red=Cloning site Green=Tags(s)

MAGSHAGTLRVLQAVDTEL TADSVIEWCPVEGYQHLLACGTYQLRAPRDQPALDGSEPVRLGRLYLFSFS
 EHNTAKPLLEVQRRDSSAVLDMKWCHIPVSGHVLLGLANASGSIGLLRLMECENNSYTLQPISSLALDEN
 CLSL SMDWSTGKSVRAREQPLKIISSDSKQQLHLLMVNEGTAELQLVASWPAHHFEAWIAAFNYWQTEL V
 YSGDDCLLRGWDTRMLGTPVFTSKRHCMGVCSIQSSPHQEHLATGSYDEHVLLWDRNIRQPLADV PV
 QGGVWRLKWPVHHHLLLAACMHNGFKILNCQKAIIEEKQDITVLT SHEMPNSLVYGADWSWLFHSMKPTP
 TWFFDQNDMGVKAADHSSLKVTEEPPIHQSQEQTMDRQVEGPANAHTRAELKASLLPLTEDMKNSKDCSSS
 SVKTRDLSHCSGGQSFDNSLLATCSFYDHVHLHLWKWETNQARTLCSGTGCDLGSADH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9059_f11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_026044

ORF Size: 1431 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_026044.4](#)

RefSeq Size: 2952 bp

RefSeq ORF: 1434 bp

Locus ID: 67228

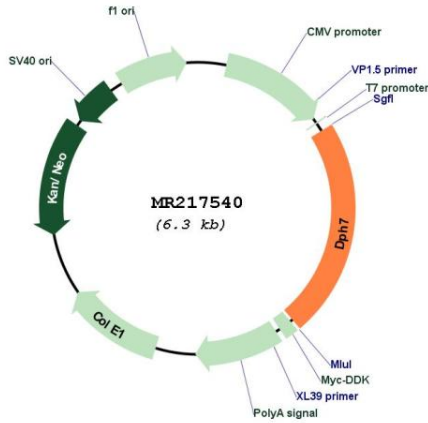
UniProt ID: [Q9CYU6](#)

Cytogenetics: 2 A3

MW: 53.2 kDa

Gene Summary: Catalyzes the demethylation of dipthine methyl ester to form dipthine, an intermediate dipthamide biosynthesis, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217540