

Product datasheet for **MC201838**

Dph2 (NM_026344) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Dph2 (NM_026344) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Dph2 |
| Synonyms: | 9130020C19Rik; AI467389; Dph2l2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC031124 sequence for NM_026344
 CCGGGAATTTGGAAGCGTACGGTTTGGATCCTAGGACCCGAGGACAGGTTGGTCCGGATCCACAAACAGA
 GCTGCTGTGACCTCGAGGACTTTTGGGGTGCAGCTGCATCTCACCCACCCAAGCTGCGCCCAATGGAG
 TCTACGTTTACGACGCCCTGCGGAGGCAGCCCTGCAACGGGAGGCGGGCGTTCCAGGACAGTTCACCTCTC
 CTGAAGACCTGGACCGCGTGTATGAGCTGGAGCGAGTTACGAAATTTGTCTGCGATTTAGGTTGTCAGCG
 GGTGACTTTGCAAGTTCCTGACCACTTACTAGGAGATGCGGGAGCGGTGGCTGCCCGCTGGAGGAAGTC
 ACAGAGCTAAGATGTTTATTTAGGGACACAGCTTATGGCAGCTGCTGTGTGGATGTGCTGGGCGCCG
 AGCAGGCTGGAGCTCAAGCCCTTGTGCACTTCGGTCTGCTTAAGCCCCCAGCCTCGCAGCTGCC
 CATCACCTTTGTCTTGGTCAGCGACCCGTTGCTTTAGAGCTCTGTGCAAAGGCCTTTGAAGCCCAGAAC
 CCAGATCCGACAGCCCCGGTGGTACTGCTGAGTGAGCCAGCTTGTGCCATGCCCTAGAGCCTTTGGCCA
 TGCTCCTGCTCCCAAAGTACCAAGATCTGCTCATCTCCGCCAGCTCTTCCCCTGCCAGTGGGATCCCC
 GAGCTCACAGCCTGAGTCCCTGGAGCGTTTTGGGCGTGTCTCCCTGAATCCAGGGAGACGTCTGGAA
 GAATATGGTGCCTTCTATGTAGGGGCTTCTCAAGCAAGCTCGGACTCCAGCCTTGATCCCGACTGAGCA
 GACTGCTCTTGGGTTGGACACCAGGGCGGCCCTTCTTTTCTGTTGTCCAGATACAGGACAGACACAAGA
 CCAGGGTGCCAAGGCTGGGAGACTAAGAGCACGAAGACTGTATCTCATAGAGAGGGCCAGAGATGCCCGT
 GTGGTTGGGCTGCTGGCAGGCATATTAGGTGTGGCTCGACACCGTGAGGCACTGGCACACTTGGCGAAAC
 TGACGGAAGCTGCTGGAAAACGTAGCTATGTGTTAGCCGTGGGGAAGCCACACCCGCCAAGCTTGCCAA
 CTTCCCTGAGATGGACGTCTTTGTGCTGTTAGCCTGTCCCTGGGGGCACTAGCCCCCAGCCTTCGGGT
 GGCTTCTTTGCGCCTGTATTGACGCCATGTGAATTGGAGGCTGCCTGCAACCCTGCCTGGCCCCGCCAG
 GCCTGGTCCCCACCTCACACATTATGCAGAGCTGTTGCCTGGTCTCCCTTCCATGTGCCACTCCCTCC
 ACCTGAGTCAGAGTTGTGGGATACCCAGATGTGTCACCTATTTCTGGGGAGCTCCGACCACCACCTCCT
 TGGAAAGTCATCAGATGACACTAGATGTTTCGGCCTAATTCCGAGGCCCAACTGGAGCTGGCGGAGAGCA
 GCCCTGCAGCTTCATTCCTTAGTTCTCGGAAGTGGCAGGGGCTGGAGCCACGCTTGGGCCAGACCCAGT
 GAAAGAAGCCGTGAGAGGAAGACGAGGTATCGCCATCGCCTACGAGGATGAGGGGAGCAGCTGATACCTT
 GGGAGGCCAGAGCCAGAGTGATAAGTCTGCCGGGACCTGTTCTCCCTGACCAACGCTCTGCTCCTGTCA
 GGGACACTTGATGCCTAGACACAGGGAGTGTAGGTAGCTCTCTGTGGAGCTGTCCAGCTTATAGCCTG
 TGCAGGGAGGGCTCCCAGGGCTCATCCAGTTCCTGGTGTGCAGGAGTTCTGCCCTTGGTTCAGGGGAGA
 AGTTGGATGATCCAGACCAGAGTTCTTCCACCTCCCTCAGCACTGTTGACAGTTTGGGCAGAGTAATTCT
 TTAATGCAGAGGCTACTCTATATAGAGAAGGATGTATAGGTTGAGCTGACAGAAAACGAAACACCTCCCT
 TCCTCCCCAACTGAGCTAGGATAAACCAGATTATCTTACAGGTTGGCAGATGTCATGTAATACTCCTC
 ATTGAGAGCCTCTGGTCTAAACCTGCACGTCCAAGACAATTTCACTGGACACATGACTTTTGCCATTT
 AAAGTGGATGAAAAAGTATTTGTCCATTACACTAATTACATTTCAAGCACTTATGTGGCTGCTTTCAGGA
 CTTTGTGGGCTACATTGACTTAGTTAGACTTGTTCCTTGGGGACAACAAAGACACTGAAATAAACGGAA
 TACTTTTTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026344

Insert Size: 1470 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: [BC031124](#), [AAH31124](#)

RefSeq Size: 2263 bp

RefSeq ORF: 1470 bp

Locus ID: 67728

UniProt ID: [Q9CR25](#)

Cytogenetics: 4 D2.1

Gene Summary: Required for the first step in the synthesis of diphthamide, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).[UniProtKB/Swiss-Prot Function]