

Product datasheet for MC215860

Dph1 (NM_144491) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dph1 (NM_144491) Mouse Untagged Clone
Tag: Tag Free
Symbol: Dph1
Synonyms: 2310011M22Rik; 4930488F09Rik; AW551873; Dph2l1; Ovca1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215860 representing NM_144491
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCGCTGGTTGTGTCCGAGACTGCGGAGCCAGGAAGCCGAGTCGGCCCTGGCAGAGGTGCGATCT
 CTCGGGGGCGACTGGCCAATCAGATCCCCCTGAGTCTGAACAACCCAGTTACAGGCTGCTGTCCA
 AGTTCTGCCTTAACTACAACCTTTGAGATCCCCAAAACCATCTGGAGAATCCAGCAGGCCAGGCCAAG
 AAGGTGGCCTTACAAATGCCAGAAGGCCTCCTCCTCTTTGCCCTGCACTATTGTGGATATCTTGGAAAGGT
 TCACAGAGGCTGAGGTGATGGTGTGGTGTGTCACCTATGGGGCTTGCTGTGGATGACTTCACTGC
 AAGGGCCTTGGGAGTTGACTTCCCTGGTGCCTATGGTCACAGCTGTCTAGTCCCCATGGACACCTCCGTT
 CAAGACTTCCGAGTCTTGTATGTCTTCCGTGGATATCCGGATAGACACTGCCACCTTCTGGACTCGGTCC
 GCCTCACCTTTACCCAGGCAGCTCACTCGCTCTGGTCAGCACCATTAGTTTGTGTCAACCTTACAGGC
 AGCTGCACAGGAGCTGAAAGCTGATTATCACATCAGTGTCCACAGTGAAGCCCTGTCCCCTGGGGAG
 ATCCTAGGCTGCACATCCCCTCGGCTATCCAAGGAAGTGAAGCTGTTGTGTATCTTGGAGATGGCCGCT
 TTCATCTGGAGTCTGTCATGATTGCCAACCTAATATACTGCTTACCGGTATGACCCATATGGCAAAGT
 CCTATCCAGAGAATACTATGACCATCAGCGCATGCAGGCCACTCGCCAGGAAGCCATTGCTGCTGCACGC
 TCAGCCAAATCCTGGGGCCTTATTCTGGGAACCTTGGGCCGCGAGGGCAGTCCCAAGATCCTGGAGCACT
 TGGAACTCAGCTCAGAACTTGGGACTTCTTTCCGTGAGGCTGTTGCTCTCTGAGATCTTCCCCAGCAA
 GCTCAGTCTACTTCTGAGGTGGATGTGTGGTGCAGGTGGCATGTCCACGCCTCTCCATTGACTGGGGT
 TCAGCCTTTCCCAAGCCACTGCTGACACCGTACGAGGCAGCTGTGGCCCTGAAGGACATTTCTTGGCAGC
 AACCTACCCATGGACTTCTACTCTGGCAGCTCCTTAGGGCCATGGACAGTGAAGTACGGTCCGGACCG
 AGCACCTCGGGTCTCTGCCAGCCTGCATCTGACAAGGTGCAGCAAGGGTCCAGAGGCGGCTCTCCAGCC
 CCAGCCTGTGAGAGTTGCAACTGCGCAGACCAGAAGGCTACTTCGCCGGCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_144491
Insert Size:	1317 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:	<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_144491.2 , NP_652762.2
RefSeq Size:	2103 bp
RefSeq ORF:	1317 bp
Locus ID:	116905
UniProt ID:	Q5NCQ5
Cytogenetics:	11 45.76 cM
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). Acts also as a tumor suppressor in lung and breast cancers. Plays a role in embryonic growth, organogenesis and postnatal survival. When overexpressed, suppresses colony formation ability and growth rate of ovarian cancer cells (By similarity).[UniProtKB/Swiss-Prot Function]