

Product datasheet for MC206568

Dph4 (BC030072) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dph4 (BC030072) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dph4
Synonyms:	1700030A21Rik; 2610027M02Rik; AV066965; AW240712; Dph4; MmDjC7; Zcsl3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC030072 GCTTTCCGTCCGGCTGCCGACGCAAGTGGACTCCTGCTCCAAAGTGAAGCGCCATAAGTCTGACGCTGTG TGGAGCCAGGGGAAGGCATCAGCAGGGACGCCTCGGTGGGGCGGACGCCTGCCTGTGGACGCCGCGTGT CCGCCAAGCTGCGGCTGCTTCAGGGTCATCAGAGAAGGCTCCCTTCTAGGTCAAAGGACGCTGATGGCTT TGGAGCAGACACTCAAAAAGGATTGGTACAGCATTCTGGGTGCAGACCCATCTGCAAATATGTCAGACCT AAAACAAAAATATCAGAACTCATATTACTGTATCATCCAGATAAAACAAAGTGCAGATGTGCCAGCTGGA ACCATGGAGGAGTGTATGCAGAAGTTTATTGAAATTGATCAGGCATGGAAAATTCTAGGGAATGAAGAAA CCAAGAAAAAGTATGACCTGCAGCGGCATGAAGATGAGCTAAGAAATGTGGGGCCAGTAGATGCACAGGT GCGCCTTGAAGAGATGTCCTGGAACCAAGGTGATGAATCTTTCTTCTGAGCTGTCGATGTGGTGGGAAA TACACTGTCTCAAGGATGAAGCACAAGAAGCCACCCTCATCTCCTGTGACGCGTGCTCGCTGATTGTGG AGCTCCTCCATCAGAGCTGAGCTGCGTCTTCTGCCCTCGGTCCTTTACAACAAGGACACAGATGCTTTCT TGTATTCAAGATGGTCTTCAAGCAAAACCACTTAAGATTAACAAATTAATTCAGTTTTTTATATGTATC TAAATGTAAATTATAGGATATTACAAGAAGGACTTGAATAATATTTTGCACTTTTAGCTAACAACTTT TGTTTTCTCTTTGGTACAACTAATGATTTCTTTTGAAGTATAAATATCTTTTCAAAATCAAAAAA AAAAAAAAAAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	BC030072
Insert Size:	447 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).


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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: [BC030072](#), [AAH30072](#)

RefSeq Size: 924 bp

RefSeq ORF: 447 bp

Locus ID: 99349

Cytogenetics: 2 E3

Gene Summary: The iron-bound form is redox-active and can function as electron carrier (By similarity). Stimulates the ATPase activity of several Hsp70-type chaperones. This ability is enhanced by iron-binding. Plays a role in the diphthamide biosynthesis, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2).[UniProtKB/Swiss-Prot Function]