

Product datasheet for **MG221538**

Phldb3 (NM_001102613) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phldb3 (NM_001102613) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phldb3
Synonyms:	EG232970; ENSMUSG00000061511; Gm10102
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG221538 representing NM_001102613
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGACACCCAGCACCTAGAGGAGGGCTCCTCGTCTCCAAGGTTTCGGAATGCGCCGTCGAGGTCC
 AGCCTCAAGGGGCTGTGCAGCCTCAGGGGCACCCGAGGATCCCAAGAGCAAGGAGCCGAAGTCCC
 AGCGGAGCTTCCAAGTTGCCCGGAGCTGGGCGCAGGCCGAGGAAGAGGAAGTGAAGAAGGTAGC
 AGCACCGAGAGCTGCCGGAAGAGCCCGAGGCTACGCCTGCCGCGCAGATTCCAGCCACACCTTCCCCTAT
 GCCTCCCTTCTGGGAAGAGCTGCGGGGGCAGCGCGCGGCTGCGAGGACAGCAGCTGGAGGCACTGAC
 TCGCGTGGCTCTGATGGAGCAGCGGGTGAAGGAGTTACAGCGCCAGAAGAAGGAAGTGGAGTGGAGATG
 GAGGTGGAGTGGCCCTGCTCCGGGTGAGCTGGCCGGGAACGAGTGGCCGCTCGCCGGGAGGAGGAGC
 AGCTGCGGGAGCTGCTGGCCAGCGGGTGGAGACCCAGCCGAGCAGCAAGAACAGCGGGAGCAGGAGCA
 GAGGCAGCTGAGCCAGGAGCGGGATCATGTGGAGAGTCTCGCCAGAGACTTAGGGAGGCACAAGGACAG
 CTTGATTCACAGCCAGAGGACCAGAGAGAGCGGCTCTACAAGGGGTACAAGAGATCAGAGAGCAGCTGG
 ATGCAGCCCAACGCACCTATGAGGATCTGGAGTTCAGCAGCTGGAGCGGGAGAGCCGTGTGGAGGAGGA
 ACGGAAAGCCCTGCCGTCCCAGCTCCAGACTCCAAGTCCGGGAACCTCAGTCCAGTGTGGCCAGCAC
 AGGCGCCGCATCCAGGTCTTGGAGGAGCAGCTCAGGTCTCTGGGGGAGCAGATGGCTGCTGAGAGCTGGG
 GGCTGAGCAGGAAGAAGGAGGAAGCTGTTCAAGGCTTACACAGGAACGGAGCCGGCTGTTTCAGCTCAA
 TTGCCTGCAGGAAACATGTTGGGGACTTCTCTGAGCCCGACCAAGCACTACCAAGTTGCTGTTCA
 CAGAAGACGGACCGTCACTGCTGGTCTGCAGGACCCCACTGCGCATGCTGCGCCAGCTCCACCTCTT
 CTTGCCCTTCTCGGTGCACAGCTCCCTGCAGGGGTCTATTGGTCTCCAGAGGACAGGACCTGCCCCG
 GAGGAGGGGAGAAAGGGCCAGCCAGAGGGATCCTCCCGCCTTTGTCCCTCCACTGTACAGGACCTCTG
 GAGGCCTCGGCTCTTCAAGCTGTGGGACCCCTGGGAGACACCTCTCTATCAGCTGCTCAACTGTG
 GCCCTGGGAATAGACTCGGTGCTTGTTCAGACATCGCACACATGGAGCGACTCCTGCAGCTGGCTGT
 GGCCGAGAGGAAACGCTGCTCAAGGACAGGGAAGGATGAGAAGAAGCCGAGAAAGTCCACAGCCCT
 GCCGTTCTGCCATCACGGCCCCGCCCGCCCCGCCCCACCACCACCAAGCCCTCCAGGTC
 CCCAGGCTCTGGACCTCCACAGCACCTGGAACGCTGGGGCCACAATCCTGAAAGCTGCCCCACTTGCG
 GGTGACCGGGGGTCTGCTGCTGGGCCCTGGTGAAGATGGGCGGCCGATTAAACTTGGAGGAAACGC
 TGGTTTTGCTTTGACCGCAGGCGGCCGTTTGGCTTACTACGCCACAAGGAAGAGACAAGCTCAAAG
 GCGTCATCTATTTCCAGGCCATCGAGGAAGTACTATGACCCTTACGTTGTGCCTTCAAGAGCCCCAG
 TCCCCGCTGACCTTCTGCGTCAAGACCTACGAACGCTTTTTCTATATGGTGGCCCCAGCCCGAAGCC
 ATGCGGATTTGGATGGATGTCATCGTGACAGCTGCGGACGAGAACCACGCCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG221538 representing NM_001102613
 Red=Cloning site Green=Tags(s)

MGTPSTLEEGSSSPKVSECAVEVQPQGAQVQGHPEPKHEKPEVPAELPSCPGAGRQAEEEEVEEGS
 STESCREEPEATPAAQIPATPSPCLPSGEELRGAARRLRGQLEALTRVALMEQRVKELQRQKELRIEM
 EVEVALLRGELAGERVAARREEEQLRELLGQRVETQPSSQEQREQEQRLSQERDHVESLRQRLREAQGG
 LDSQPEDQRERLSQGVQEIREQLDAAQRTYEDLEFQQLERESRVEEERESPAVPAPDSKVRELQSSVAQH
 RRRIQVLEEQRLSLGEQMAAESWGLSRKKEEAVQAL TQERSRL FELNCLQGTGCGDFSEPDQALTKLLFT
 QKTDRQLLVLDPTAHAASSTSSCLFSVHSSLQGSIGLQRTGSLPRRRGERASQRGSSRPLSLHCTGPL
 EASALSQAVGTPGRHPLYQLLNCGPGNRHSVLRSDIAHMERLLQLAVAERERLLKDREGMRRSRESSTGP
 AVPAITAPPPPPPPPPPPSPGGPQVLDLPQHLERWGHNPECPHLRVTGGCCRGPLVKMGGRITWRKR
 WFCFDRQARRLAYADKEETKLGVIYFQAIIEVYVDHLRCAFKSPSPRLTFCVKTYERLFYMVAPSPEA
 MRIWMDIVTAADENHAP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_001102613

ORF Size: 1944 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_001102613.1](#), [NP_001096083.1](#)

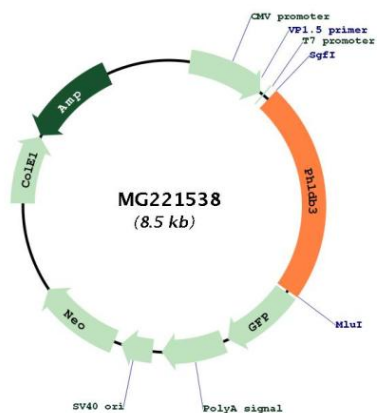
RefSeq Size: 2282 bp

RefSeq ORF: 1947 bp

Locus ID: 232970

Cytogenetics: 7 A3

Product images:



Circular map for MG221538