

Product datasheet for MC229547

Phldb2 (NM_001252442) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Phldb2 (NM_001252442) Mouse Untagged Clone
Tag: Tag Free
Symbol: Phldb2
Synonyms: AV253284; C820004H04Rik; LL5b; LL5beta
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229547 representing NM_001252442
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAAGATAGCCACATGCAAAGCAGCTGGAATTCAAAATGGTAGCTTAGAGGAAGGATTTGTGG
 TACGTTCCCTGGAGAACGAGCCCCAAAACATGATGGAGAGCCTAAGCCCGAGGAAATACTCATCAAGTCT
 GAAGTTTAAAGCCAACGGGGACTATTCTGGCTCCTATTTAACCCCTCCCAACCGGTGTCTGCCAAGAGA
 AGCCCTTCTCCAATGGGCACCAGCGTCAGGAGCAGTCCCTCCTTGCCAAAATCCAGGGAAGCAAACAGT
 TCTGCGATGGAATTGATAAAAATATTTCCATGAAACCTCCTATTTCTTTCTCAGTTCTGCAAGCCTCTCT
 TGGCGGTATCCTCTTGGGAAAGCAGATTTGGATCATTATACTGGTGCAGACAGTGAGAGGTCCACCAGG
 CTCTCAGAGAAGCCTCCCTATCCAGATACAGCTCTAGGAATAAATCTCATGACAGTGTCTACTTTCTAG
 GGGGGCTGGAAGGAAGAAAACCTCTGGCTCGCTCCTGACCATGTGGAACGGAATTCCTTGAGCTGCAC
 TGGCTCGTACCCATCAGCAGGTCTGGGGCAGCGAGCATGCCTTCAAGTCCAAGCAAGTCAGGAAGATG
 AACCTTCAGGACCACTCGACACTTCAGCCAGGTTAAGCAGGCACAAGGAGCCGGCTCAGAAAACGTCA
 GTGTGAGAACAAAGAAATACTCAGGGAGCAGTCTGAGTAATATGGGTGCCTACAGCCGATCGCTTCCCAG
 GTTGATAAAGCCACAGACAACCAGATGTCGCCTCTCAGCCTGCCTCCAAGAAGTTCCTGGGCAATTCC
 AGAAGAGGTCAAGTTAGGAGAAAAGGATCTACCTCATAGCCTAGTGATAGTGACAATTACCTTAACCTTTT
 CTTCTCTAAGCTCAGGGGCTTACCCTATAAAAACCTGTCTGTGAGAGGAAATCCTTACGTAAGCTCCGC
 CCTCAGTGTTCTGCCAGTCTCGTGTGGCTCGGAAGATGCTCCTGGCCTCCACCTCCTCTGATGACTTT
 GATAGGGCTTCACTCAGGGACCAGCCAAAGTCATTCTTCATTTCTGGAGAGCCAGCCGAGTGCTTG
 TGGCCAGGAGGAAGTCTCTTGTGGATCAATGGAGCTTGATGACTCTGATCTGGAAGCCTAAGACAGTC
 GTCAGAAACTCCGACGCCGTCTTCGAGAAAGGAAAAGTAGCATTAGCTCCATCTCGGGACGCGACGAC
 CTGATGGATTATACCGAAGACAGAGGGAGGAGACTCAGGGAGCAGGAGATGGAGCGACTGGAGCGGC
 AGCGGCTGGAGACCATCCTCAGTCTCTGTGCTGAGTATACAAAGCCTGAAGGTGCGCCGCTGTCCGCTGG
 CACCACGGTGGCTGATGTGCAGAAAATCAACAAGGAGCTTGAGAAGCTGCAGCTGTCCGATGAGGAGTCT
 GTGTTTCGAGGACGCTCTGGTGTGCCCGATGCCAGGTACAGGTGCCACCGGAAGGGCTCTCTCCAGGATG



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TTGACGTTGCTGGCTTCGGGAACCTTGGTCACAGTGCCAGCTTCCTGGCCCCAGGGGCAGCAGGAGCGA
 TGAAGTCTTGGTGACCTCACTAGGACGCCCCATCATCCTCAGCCGCGTTTCTGAAAGCAACCAATGAG
 TCCTCCTACCTCAGTATCCTTCCGAAGACCCAGAGGATATAGGTGAGGAACAGAGGACTCAAGAGTTGG
 CTGCAATGGAAGACGCCCGGATGGTGATTCTGAACAACCTTGAGGAACCTTGAGCAGAAAAACAAGATAT
 AAATGACCAAAATGGATGAATCTTCCAGAGAGTTGGATATGGAATGCGCTCTTTGGATGGAGAACAGAAA
 TCCGAGACGGCTGAGCTCATGAAGGAAAAGGAGATTCTAGATCATCTAACCCGAAAAATCACGGAACCTAG
 AAAAGAACATCGTAGGCAGAGAAGACTAAGGAGAAGGTAAGCTTGATGCTGAGAGGGAAAAAGCTAGAGAG
 GCTTCAGGAGCTGTACTCCGAGCAGAAGACCCAGCTGGACAATTGCTGAGTCCATGAGGGAGCAGTTA
 CAGCAACAACCTAAGAGGGATGCCGACCTGTTGGATGTTGAGAGCAAACTTTGAAGACTTGGAATTCC
 AGCAGCTTGAGCATGAGAGCCGCTAGATGAGGAAAAGGAGAAGTACTCAACAGCTCCTGCGGGAGGT
 GGCAGAGTATCAGCGAACATCGTGGCTAGGAAGGAAAAATTTCTGCATTGAAAAAGCAAGCCAGTCAC
 ATCGTTCAGCAGGCTCAGAGGGAACAAGATCACTTTGTAAAGAGAAGAACAATTAATAATGATGCTCC
 AAAGAGAAAAAGAGAATCTTTGCAATTTGAAAAGAAATACTCCAGTCTCACTGGTGGGAAAGGTTCC
 TATTAACCCCAATACTCTGAAAGAGGGCTATATCAGTGTAAATGAGATTAATGAGTCATGTGCAATTCC
 ACGAATCTATCCCCTTCCACTCAGTTCCTGCTGATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG
 TGCCGCACCGAACAGCTGTCTATTCTGGATTTATGTCTCCTTCCACCCTCTCCTTCTGTCACTGAACC
 TTCATCAGCCACTTGGCCTGAAGTCATGACTACATCTGTGCGATCCTTTCCCTTAAATGACACACCTCCT
 CCTCTACCAGCTAAGAAACACAGAAGGCAGCAGCCGAAGAGCAACAGCACTTTAGAAGCCTGGAAGAAA
 GGAAAAAGCAGCACAAGAAGGCCTCTACCTGAGTGACACTCTGCCTCGAAAGAAAACCACCCCTTCCCT
 GTCCCCACACTTCAGCAGTGCCACAATGGGGAGGAGCACCACCCCGAAGGCTCACCTCCCTCTGGGGCAG
 AGCAATAGCTGTGGCAGTGTCTCCCTCACTCACTGGCGACCATGACCAAGACTCTGAGTCTCGGAGGA
 TGCTCAGAGGTTATAATCACCAACAGATGAGTGAAGGACAAGACAGAAACCCGAATTTTACAGCCGCAC
 AGCATCTGAGTCAAACGTCTACTTGAATAGTTTCCATTACCCAGATCGCAGCTACAAGGATCAGGCCTAT
 GACACGTTGAGCCTGGACAGCTCTGACAGCATGGAGACCAGCATCTCTGCCTGTTACCCGACAATATAT
 CAAGTGCCAGCACATCCAATATTGCCAGAATAGAAGAAATGGAGAGACTCTTGAACAGGCGCACCGGGA
 GAAGACTCGGCTGCTTGAAGTCCAGGGAACGGGAAATGGAAGCCAAAAACGAGCTCTGGAAGAAGAAAA
 CGACGCCGGGAAATCCTGAAAAACGATTGCAAGAAGAAACCAGCCAGAGGCAGAAAGTTAATAGAAAAAG
 AAGTCAAATAAGAGAGAAACAAAGGGCACAGGCTCGTCCCTGACTCGCTATCTGCCAGTGCAGGAAAGGA
 AGACTTCGACTTGGGAGTACGTGGAGACTGCAGGCCACAATATTGACACCTGTTTTCATGTGTCAATC
 ACAGAGAAGACCTGCCGAGGATACCTCATCAAAATGGGTGGGAAAATTAACCTGGAAAAACCGTGGT
 TTGTTTTTGACCGGAATAAGCGAACATTTTCTTACTATGCAGACAAGCATGAGGCTAAATGAAAGCGCT
 GATATACTTTCAAGCCATTGAAGAAGTGTATTATGATCAGCTCAAGAACGCTAATGAGAGCCCTAATCCA
 TTACTCACCTTTAGCGTCAAGACACATGACAGAATCTATTACATGGTGGCTCCTTACCAGAGGCCATGC
 GGATCTGGATGGACGTTATAGTGACTGGAGCAGAAGGATATACCCACTTCTGTTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites: Sgfl-MluI
- ACCN: NM_001252442
- Insert Size: 3909 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).
- OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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| 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: | <u>NM_001252442.1, NP_001239371.1</u> |
| RefSeq Size: | 5655 bp |
| RefSeq ORF: | 3909 bp |
| Locus ID: | 208177 |
| UniProt ID: | <u>Q8K1N2</u> |
| Cytogenetics: | 16 B5 |
| Gene Summary: | <p>Seems to be involved in the assembly of the postsynaptic apparatus. May play a role in acetylcholine receptor (AChR) aggregation in the postsynaptic membrane.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p> |