

## Product datasheet for MC224071

### Phldb2 (NM\_153412) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Phldb2 (NM\_153412) 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:** >MC224071 representing NM\_153412  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGAAGATAGCCACATGCAAAGCAGCTGGAATTCAAAAATGGTAGCTTAGAGGAAGGATTTGTGG  
 TACGTTCCCTGGAGAACGAGCCCCAAAACATGATGGAGAGCCTAAGCCCGAGGAAATACTCATCAAGTCT  
 GAAGTTTAAAGCCAACGGGGACTATTCTGGCTCCTATTTAACCCCTCCCAACCGGTGTCTGCCAAGAGA  
 AGCCCTTCTCCAATGGGACCAGCGTCAGGAGCAGTCCCTCCTTGCCAAAATCCAGGGAAGCAAACAGT  
 TCTGCGATGGAATTGATAAAAAATATTTCCATGAAACCTCCTATTTCTTTCTCAGTTCTGCAACCTCTCT  
 TGGCGGTATCCTCTTGGGAAAGCAGATTTGGATCATTATACTGGTGCAGACAGTGAGAGGTCCACCAGG  
 CTCTCAGAGAAGCCTCCCTATCCAGATACAGCTCTAGGAATAAATCTCATGACAGTGTCTACTTTCTAG  
 GGGGGCTGGAAGGAAGAAAAACCTCTGGCTCGCTCCTGACCATGTGGAACGGAATTCCTTGAGCTGCAC  
 TGGCTCGTACCCATCAGCAGGTCTGGGGCAGCGAGCATGCCTTCAAGTCCAAGCAAGTCAGGAAGATG  
 AACCTTCAGGACCACTCGACACTTCAGCCAGGTTAAGCAGGCACAAGGAGCCGGCTCAGAAAACGTCA  
 GTGTGAGAACAAAGAAATACTCAGGGAGCAGTCTGAGTAATATGGGTGCCTACAGCCGATCGCTTCCCAG  
 GTTGATAAAGCCACAGACAACCAGATGTCGCCTCTCAGCCTGCCTCCAAGAAGTTCCTTGGGCAATTCC  
 AGAAGAGGTCAAGTTAGGAGAAAAGGATCTACCTCATAGCCTAGTGATAGTGACAATTACCTTAACCTTTT  
 CTTCTCTAAGCTCAGGGGCTTACCCTATAAAAACCTGTCTGTGAGGGGAAATCCTTACGTAAGCTCCGC  
 CCTCAGTGTCTGCCAGTCTCGTGTGGCTCGGAAGATGCTCCTGGCCTCCACCTCCTCTGATGACTTT  
 GATAGGGCTTCACTCAGGGACCAGCCAAAGTCATTCTTCATTTCTGGAGAGCCAGCCGAGTGTCTTG  
 TGGCCAGGAGGAACCTCTTGTGGATCAATGGAGCTTGATGACTCTGATCTGGAAGCCTAAGACAGTC  
 GTCAGAAACTCCGACGCCGTCTTCGAGAAAGGAAAAGTAGCATTAGCTCCATCTCGGGACGCGACGAC  
 CTGATGGATTATACCGAAGACAGAGGGAGGAGACTCAGGGAGCAGGAGATGGAGCGACTGGAGCGGC  
 AGCGGCTGGAGACCATCCTCAGTCTCTGTGCTGAGTATACAAAGCCTGAAGGTCCGCGCCTGTCCGCTGG  
 CACCACGGTGGCTGATGTGCAGAAAATCAACAAGGAGCTTGAGAAGCTGCAGCTGTCCGATGAGGAGTCT  
 GTGTTTCGAGGACGCTCTGGTGTGCCCGATGCCAGGTACAGGTGCCACCGGAAGGGCTCTCTCCAGGATG



TTGACGTTGCTGGCTTCGGGAACCTTGGTCACAGTGCCAGCTTCCTGGCCCCAGGGGCAGCAGGAGCGA  
 TGAAGTCTTGGTGACCTCACTAGGACGCCCCATCATCCTCAGCCGCGTTTCTGAAAGCAACCAATGAG  
 TCCTCCTACCTCAGTATCCTTCCGAAGACCCAGAGGATATAGGTGAGGAACAGAGGACTCAAGAGTTGG  
 CTGCAATGGAAGACGCCCGGATGGTGATTCTGAACAACCTTGAGGAACCTGAGCAGAAAAACAAGATAT  
 AAATGACCAAAATGGATGAATCTTCCAGAGAGTTGGATATGGAATGCGCTCTTTGGATGGAGAACAGAAA  
 TCCGAGACGGCTGAGCTCATGAAGGAAAAGGAGATTCTAGATCATCTAAACCGAAAAATCACGGAACCTAG  
 AAAAGAACATCGTAGGCCGAGAAGACTAAGGAGAAGGTAAGCTTGATGCTGAGAGGGAAAAAGCTAGAGAG  
 GCTTCAGGAGCTGTACTCCGAGCAGAAGACCCAGCTGGACAATTGTCTGAGTCCATGAGGGAGCAGTTA  
 CAGCAACAACCTAAGAGGGATGCCGACCTGTTGGATGTTGAGAGCAAACTTTGAAAGCTTGAATTCC  
 AGCAGCTTGAGCATGAGAGCCGCTAGATGAGGAAAAGGAGAAGCTTACTCAACAGCTCCTGCGGGAGGT  
 GGCAGAGTATCAGCGAACATCGTGGCTAGGAAGGAAAAATTTCTGCATTGAAAAAGCAAGCCAGTCAC  
 ATCGTTCAGCAGGCTCAGAGGGAACAAGATCACCTTGTGAAAGAGAAGAACAATTAATAATGATGCTCC  
 AAAGAGAAAAAGAGAATCTTTGCAATTTGAAAAGAAATACTCCAGTCTCACTGGTGGGAAAGGTTCC  
 TATTAACCCCAATACTCTGAAAGAGGGCTATATCAGTGTAAATGAGATTAATGAGTCATGTGCAATTCC  
 ACGAATCTATCCCCTTCCACTCAGTTCCTGCTGATGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTG  
 TGCCGGTGAGCCAGCCAGAGTTCCAGAGCACTTGAAGCCTGGAAAGGAAAAAGCAGCACAAGA  
 AGGCCTCTACCTGAGTGACACTCTGCCTCGAAAGAAAACCAACCCCTTCCCTGTCCCCACACTTCAGCAGT  
 GCCACAATGGGGAGGAGCACCACCCGAAGGCTCACCTCCCTCTGGGCGAGCAATAGCTGTGGCAGTG  
 TGCTCCCTCACTCACTGGCGACCATGACCAAAGACTCTGAGTCTCGGAGGATGCTCAGAGGTTAATCA  
 CCAACAGATGAGTGAAGGACAAAGACAGAAACCCGAATTTACAGCCGCACAGCATCTGAGTCAAACGTC  
 TACTTGAATAGTTCCATTACCCAGATCGCAGCTACAAGGATCAGGCCTATGACACGTTGAGCCTGGACA  
 GCTCTGACAGCATGGAGACCAGCATCTCTGCCTGTTACCGGACAATATCAAGTGCCAGCACATCCAA  
 TATTGCCAGAATAGAAGAAATGGAGAGACTCTTGAAACAGCGCACGCGGAGAAGACTCGGCTGCTTGAG  
 TCCAGGGAACGGGAAATGGAAGCCAAAAACGAGCTCTGGAAGAAGAAAAACGACGCCGGGAAATCCTGG  
 AAAACGATTGCAAGAAGAAACAGCCAGAGGCAGAAAGTTAATAGAAAAAGAAAGTCAAAATAGAGAGAA  
 ACAAAAGGCGACAGGCTCGTCCCCTGACTCGCTATCTGCCAGTGCGGAAGGAAAGACTTCGACTTGGGAGT  
 CACGTGGAGACTGCAGGCCACAATATTGACACCTGTTTTCATGTGTCAATCACAGAGAAGACCTGCCGAG  
 GATACCTCATCAAAATGGGTGGGAAAATAAAACGTGGAAAAACGCTGGTTTGTGTTTGGACCGAATAA  
 GCGAACATTTTCTTACTATGCAGACAAGCATGAGGCTAAATTGAAAGGCGTGATACTTTCAAGCCATT  
 GAAGAAGTGTATTATGATCACCTCAAGAAGCCTAATAAGAGCCCTAATCCATTACTCACCTTTAGCGTCA  
 AGACACATGACAGAATCTATTACATGGTGGCTCCTTACCAGAGGCCATGCGGATCTGGATGGACGTTAT  
 AGTGACTGGAGCAGAAGGATATACCCACTTCTGTTG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_153412

**Insert Size:**

3750 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:** [NM\\_153412.4](#), [NP\\_700461.2](#)

**RefSeq Size:** 5496 bp

**RefSeq ORF:** 3750 bp

**Locus ID:** 208177

**UniProt ID:** [Q8K1N2](#)

**Cytogenetics:** 16 B5

**Gene Summary:** 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]

Transcript Variant: This variant (2) lacks an exon and uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.