

## Product datasheet for RC215783

### PHLDB2 (NM\_145753) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHLDB2 (NM_145753) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHLDB2
Synonyms:	LL5b; LL5beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC215783 representing NM_145753 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAAGAGCATAGCTACATACAAAAGGAGCTAGATTTACAAAATGGTAGCTTAGAGGAAGACTCTGTGG  
TGCATTCTGTTGAGAACGATTCCCAAACATGATGGAGAGCCTCAGCCCAAAGAAATACTCTCCAGTCT  
GAGATTTAAAGCCAATGGAGACTATTCTGGCTCCTATTTAACCTCTCACAACTGTGCCTGCAAAGAGA  
AGCCCTTCTCCTTTGGGAACAGTGTGAGAAGCAGCCCTCCTTAGCCAAAATCCAGGGAAGCAAGCAGT  
TCTCTTATGATGGAAGTACAAAATATTCCTATGAAACCTCCAACCTCTTACTCAACTACATCCTC  
CCTCAGTGGATATCCACTTGAAGAGCAGACTTTGATCATTATACTGGCCGGGACAGTGAAGGGCCTTG  
AGGCTCTCAGAGAAGCCTCCCTATTCCAAATATAGCTCAAGGCATAAATCGCATGACAATGTCTACTCTC  
TTGGAGGGCTGGAAGGTGGAAGGCATCTGGCTCGCTCCTGGCCATGTGGAATGGAAGTCCCTGAGTGA  
TGCTGGCCCGCTCCTATCAGCAGATCGGGAGCCGAAGCATGCCTTCAAGCCAAAGCAAGCCAGGAAA  
ATGAGCATTGAGGACAGCCTGGCGCTTCAACCCAAGTTAACTAGACACAAGGAGCTTGCATCTGAAAACA  
TCAATTTGAGAACTAGGAAGTACTCCAGCAGCAGCCTGAGTCACATGGGAGCCTACAGCCGATCACTTCC  
CAGGTTGTACAGAGCCACAGAGAACCAGCTGACACCTCTCAGCTTGCCCTCAAGAAACTCTCTGGGCAAT  
TCCAAACGAACAAAACCTGGGGAAAAGGATCTACCTCATAGCGTAATAGACAATGACAATTACCTTAATT  
TTTCTTTTGGAGCTCAGGGCTTTACCCTATAAACCTCTGCTTCTGAAGGCAATCCTTATGTAAGTTC  
TACCCTCAGTGTCCCTGCCAGTCCACGAGTGGCTCGGAAGATGCTTCTGGCCTCCACCTCCTCTGTGCC  
TCTGATGACTTTGATCAGGCTTCATATGTGGGACAAACCCGAGTCATTCACTTCTTGTGGAGAGTCAG  
ACAGAGTTTTTGGACCAGGAGGAACCTCTTGTGGATCTGTGGAATTTGATGAGGCAGATTTGGAAAG  
CCTCAGACAGGCCTCAGGAACCCCCAGCCTGCCCTCGGGAACGAAAAGCAGTATTAGCTCCATTTCA  
GGACGTGATGACCTGATGGATTACACCGCGGCAGAGGGAGGAAAGACTCAGGGAGCAGGAAATGGAGC  
GATTGGAGAGACAGCGTCTGGAGACCATCCTCAGTCTCTGTGCTGAATACAAAAGCCTGACAGTCGCTT  
ATCTACTGGGACCACCGTGAAGATGTGCAGAAAATCAACAAGGAGCTTGAGAAGCTGCAGCTCTCTGAT



[View online >](#)

GAGGAGTCTGTGTTTGAGGAAGCCCTCATGAGCCCTGACACAAGATACAGGTGCCACCGAAAGACTCCC  
TCCCTGATGCAGACTTGGCAAGCTGTGGGAGTCTCAGTCAGAGCAGTGCCAGCTTCTTTACCCCCAGGAG  
CACCAGGAATGATGAACTACTCAGTGACCTCACCCGGACTCCTCCACCACCATCCTCCACCTTTCCGAAA  
GCTTCCAGCGAGTCTCTTATCTAAGTATCCTACCAAAGACCCAGAGGGTATAAGTGAAGAACAGAGAT  
CTCAGGAGTTGGCTGCAATGGAAGAAACCCGGATAGTCATTCTGAACAACCTCGAGGAACCTAAGCAAAA  
AATCAAAGACATAAATGATCAGATGGATGAGTCTTTCAGAGAGTTGGATATGGAATGTCTCTTTGGAT  
GGAGAACAGAAAATCTGAAACAACCTGAACCTTATGAAGGAGAAGGAGATTTTGGATCATCTAAACCGGAAAA  
TAGCTGAACTGGAAAAGAACATTGTTGGTGAAGACCAAGGATGCTGACCTGTTGGATGTTGAAAGCAA  
ACACTTTGAAGACCTGGAGTTCCAGCAGCTTGAACATGAGAGCCGCTTAGATGAAGAAAAGGAGAACTTG  
ACTCAACAGCTCCTGCGTGAAGTTGCTGAATATCAACGGAACATCGTTTCTAGAAAGGAAAAATTTCTG  
CATTGAAAAGCAAGCCAATCACATTGTTGAGCAGGCTCAGAGAGAGCAAGATCATTGTTGAAAGAAAA  
GAATAATTTAATAATGATGTTGCAAAGAGAAAAGGAGAATCTTTGTAATTTGAAAAGAAAATACTCCAGC  
CTCTCTGGGGGAAAGGGTTTCCCGTTAACCCCAATACTTTAAAAGAGGGCTATATCAGTGTAATGAGA  
TTAATGAGCCGTGTGGCAATTCCACGAATCTATCCCCTTCCACTCAGTTTCTGCTGATGCTGATGCTGT  
TGCCACTGAGCCTGCCACAGCTGTGCTGGCGAGCCAGCCACAGAGTAAAGAGCACTTTAGAAGTCTGGAA  
GAAAGGAAAAACAGCATAAAGAAGGCCTCTATCTGAGTGATACTTTGCCTCGAAAGAAAACCACATCTT  
CCATCTCCCCACATTTACAGCAGTGCTACTATGGGGAGAAGCATCACCCAAAGGCCCATCTGCCCTTAGG  
ACAGAGTAACAGCTGTGGAAGTGTGCTCCCTCCCTCACTGGCAGCCATGGCCAAAGACTCAGAATCTCGG  
AGGATGCTCAGAGGTTATAATCACCAACAGATGAGTGAAGGACACAGGCAGAAAATCTGAATTTTATAACC  
GCACAGCATCTGAATCAAATGTCTACTTGAATAGTTTCCATTATCCAGATCACAGCTACAAGGACCAGGC  
CTTTGATACTCTGAGCCTCGATAGCTCTGATAGCATGGAGACCAGCATCTCTGCTTGCTCACCAGACAAC  
ATCTCTAGTGCCAGCACTTCAAATATTGCTAGAATAGAAGAAAATGGAGAGACTTTTGAAGCAGGCTCATG  
CAGAAAAGACCGCGTCTCGAATCCAGGGAACGGGAAAATGGAAGCCAAAAACGAGCCCTGGAAGAAGA  
AAAACGACGCGGGAAATCCTGGAAAAACGATTACAGGAAGAAAATAGCCAGAGGCAGAAGTTAATAGAA  
AAGGAAGTAAAAATAAGGGAGAGACAAAGGCACAGGCTCGTCTTTGACACGCTACCTGCCTGTCCGGA  
AGGAAGACTTTGATTTGCGGAGCCATGTAGAGACTGCTGGCCACAATATTGACACCTGTTACCATGTATC  
AATCACAGAGAAGACCTGCCGAGGATTCCTCATCAAAATGGGTGGGAAAAATTAACCGTGGAAAAACGT  
TGGTTTGTGTTTGTATCGGAACAAGCGAACATTCTTATTATGCAGACAAGCATGAAACTAAATTGAAAAG  
GAGTAATATACTTTCAAGCCATTGAAGAAGTCTATTATGATCACCTCAAGAATGCTAATAAGAGTCTTAA  
TCCGTTACTCACCTTTAGCGTCAAGACTCATGACAGAATCTATTATATGGTAGCCCCATCGCCAGAAGCC  
ATGCGGATCTGGATGGATGTTATAGTTACGGGGCAGAAGGTTACTCACTTCTTTGTTG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC215783 representing NM\_145753  
 Red=Cloning site Green=Tags(s)

MEEHSYIQKELDLQNGSLEEDSVVHVSQNMESLSPKKYSSSLRFKANGDYSGSYLTLSPVPAKR  
 SPSPLGTSVRSSPSLAKIQGSKQFSYDGTDKNIPMKPPTLLNTTSSLGYPPLGRADFHYTGRDSEAL  
 RLSEKPPYSKYSSRHKSHDNVYSLGGLEGRKASGSLAMWNGSSLSDAGPPPISRGAASMPSPKQARK  
 MSIQDSLALQPKLTRHKELASENINLRTRKYSSSSLSHMGAYSRLPRLYRATENQLTPLSLPPRNLGN  
 SKRTKLGEKDLPHSVIDNDNYLNFSSLSGALPYKTSASEGNPYVSTLSVPASPRVARKMLLASTSSCA  
 SDDFDQASYVGTNPSSHLLAGESDRVFAATTRNFSCGSVEFDEADLESRQASGTPQPALRERKSSISSIS  
 GRDDLMDYHRRQREERLREQEMERLERQRLLETILSLCAEYTKPDSRLSTGTTVEDVQKINKELEKLQSD  
 EESVFEEALMSPDTRYRCHRKDSLDPADLASCGLSQSSASFFTPRSTRNDELLSDLTRTPPPPSSTFPK  
 ASSESYLSILPKTPEGISEEQRSQELAAMEETRIVILNLEELKQKIKDINDQMFRELDMECALLD  
 GEQKSETTELMKEKEILDHLNRKIAELEKNIVGEKTKDADLLDVEKHFEDLEFQQLHEHSRLDEEKENL  
 TQQLLREVAEYQRNIVSRKEKISALKKQANHIVQQAQREQDHFVKEKNNLIMMLQREKENLKNLEKKYSS  
 LSGGKGFVNPNTLKEGYISVNEINEPCGNSTNLSPSTQFPADADAVATEPATAVLASQPQSKEHFRSLE  
 ERKKQHKEGLYLSDTLPRKKTSSISPHFSSATMGRSITPKAHLPLGQSNCSGSLVPPSLAAMAKDSESR  
 RMLRGYNHQQMSEGRQKSEFYNRASESNVYLNFSHYDPHSYKDAQFDLSDSSDSMETSIASCPDN  
 ISSASTSNIARIEEMERLLKQAHAEKTRLLESREREMEAKKRALEEEKRRREILEKRLQEETSQRQKLE  
 KEVKIRERQRAQARPLTRYLPVRKEDFDLRSHVETAGHNIDTCYHVSITEKTCRGLIKMGGKIKTWKCR  
 WVFVDRNKRTFSYYADKHETKLGVIYFQAIIEEVYDHLKNANKSPNPLTFVSKTHDRIYVMVAPSPEA  
 MRIWMDVIVTGAEGYTHFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



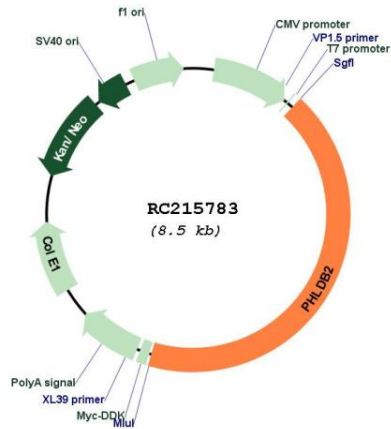
\* The last codon before the Stop codon of the ORF

ACCN: NM\_145753

ORF Size: 3630 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_145753.2</a> , <a href="#">NP_665696.1</a>
<b>RefSeq Size:</b>	6015 bp
<b>RefSeq ORF:</b>	3633 bp
<b>Locus ID:</b>	90102
<b>UniProt ID:</b>	<a href="#">Q86SQ0</a>
<b>Cytogenetics:</b>	3q13.2
<b>Domains:</b>	PH
<b>MW:</b>	136.9 kDa
<b>Gene Summary:</b>	Seems to be involved in the assembly of the postsynaptic apparatus. May play a role in acetylcholine receptor (AChR) aggregation in the postsynaptic membrane (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC215783