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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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC215783 representing NM_145753 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAAGAGCATAGCTACATACAAAAGGAGCTAGATTTACAAAATGGTAGCTTAGAGGAAGACTCTGTGG TGCATTCTGTTGAGAACGATTCCCAAAACATGATGGAGAGCCTCAGCCCAAAGAAATACTCTTCCAGTCT GAGATTTAAAGCCAATGGAGACTATTCTGGCTCCTATTTAACCCTCTCACAACCTGTGCCTGCAAAGAGA AGCCCTTCTCCTTTGGGAACCAGTGTCAGAAGCAGCCCCTCCTTAGCCAAAATCCAGGGAAGCAAGCAGT TCTCTTATGATGGAACTGACAAAAATATTCCTATGAAACCTCCAACTCCTTTACTCAACACTACATCCTC CCTCAGTGGATATCCACTTGGAAGAGCAGACTTTGATCATTATACTGGCCGGGACAGTGAAAGGGCCTTG AGGCTCTCAGAGAAGCCTCCCTATTCCAAATATAGCTCAAGGCATAAATCGCATGACAATGTCTACTCTC TTGGAGGGCTGGAAGGTCGGAAGGCATCTGGCTCGCTCCTGGCCATGTGGAATGGAAGTTCCCTGAGTGA TGCTGGCCCGCCTCCTATCAGCAGATCGGGAGCCGCAAGCATGCCTTCAAGCCCAAAGCAAGCCAGGAAA ATGAGCATTCAGGACAGCCTGGCGCTTCAACCCAAGTTAACTAGACACAAGGAGCTTGCATCTGAAAACA TCAATTTGAGAACTAGGAAGTACTCCAGCAGCAGCCTGAGTCACATGGGAGCCTACAGCCGATCACTTCC CAGGTTGTACAGAGCCACAGAGAACCAGCTGACACCTCTCAGCTTGCCTCCAAGAAACTCTCTGGGCAAT TCCAAACGAACAAAACTTGGGGAAAAGGATCTACCTCATAGCGTAATAGACAATGACAATTACCTTAATT TTTCTTCTTTGAGCTCAGGGGCTTTACCCTATAAAACCTCTGCTTCTGAAGGCAATCCTTATGTAAGTTC TACCCTCAGTGTCCCTGCCAGTCCACGAGTGGCTCGGAAGATGCTTCTGGCCTCCACCTCCTCCTGTGCC TCTGATGACTTTGATCAGGCTTCATATGTGGGGACAAACCCGAGTCATTCACTTCTTGCTGGAGAGTCAG ACAGAGTTTTTGCGACCAGGAGGAACTTCTCTTGTGGATCTGTGGAATTTGATGAGGCAGATTTGGAAAG CCTCAGACAGGCCTCAGGAACCCCCCAGCCTGCCCTTCGGGAACGGAAAAGCAGTATTAGCTCCATTTCA GGACGTGATGACCTGATGGATTATCACCGGCGGCAGAGGGAGGAAAGACTCAGGGAGCAGGAAATGGAGC GATTGGAGAGACAGCGTCTGGAGACCATCCTCAGTCTCTGTGCTGAATACACAAAGCCTGACAGTCGCTT ATCTACTGGGACCACCGTGGAAGATGTGCAGAAAATCAACAAGGAGCTTGAGAAGCTGCAGCTCTCTGAT GAGGAGTCTGTGTTTGAGGAAGCCCTCATGAGCCCTGACACAAGATACAGGTGCCACCGGAAAGACTCCC

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TCCCTGATGCAGACTTGGCAAGCTGTGGGAGTCTCAGTCAGAGCAGTGCCAGCTTCTTTACCCCCAGGAG
CACCAGGAATGATGAACTACTCAGTGACCTCACCCGGACTCCTCCACCACCATCCTCCACCTTTCCGAAA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

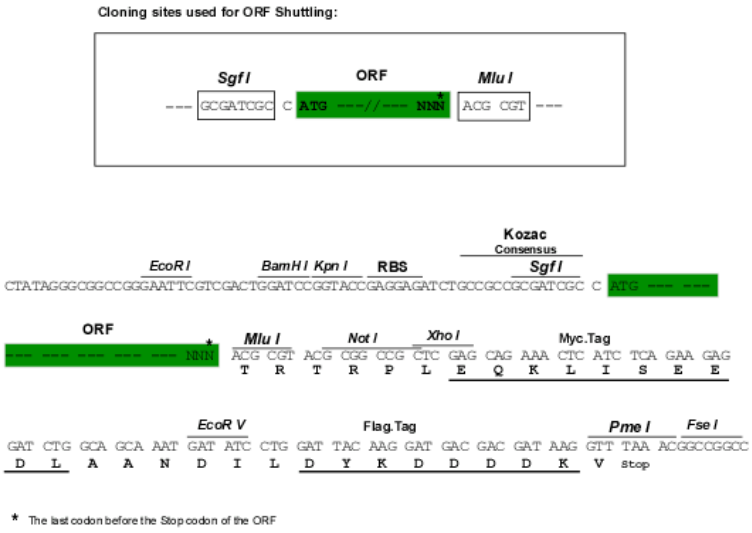
>RC215783 representing NM_145753
Red=Cloning site Green=Tags(s)

MEEHSYIQKELDLQNGSLEEDSVVHSVENDSQNMMESLSPKKYSSSLRFKANGDYSGSYLTLSQPVPAKR
SPSPLGTSVRSSPSLAKIQGSKQFSYDGTDKNIPMKPPTPLLNTTSSLSGYPLGRADFDHYTGRDSERAL
RLSEKPPYSKYSSRHKSHDNVYSLGGLEGRKASGSLLAMWNGSSLSDAGPPPISRSGAASMPSSPKQARK
MSIQDSLALQPKLTRHKELASENINLRTRKYSSSSLSHMGAYSRSLPRLYRATENQLTPLSLPPRNSLGN
SKRTKLGEKDLPHSVIDNDNYLNFSSLSSGALPYKTSASEGNPYVSSTLSVPASPRVARKMLLASTSSCA
SDDFDQASYVGTNPSHSLLAGESDRVFATRRNFSCGSVEFDEADLESLRQASGTPQPALRERKSSISSIS
GRDDLMDYHRRQREERLREQEMERLERQRLETILSLCAEYTKPDSRLSTGTTVEDVQKINKELEKLQLSD
EESVFEEALMSPDTRYRCHRKDSLPDADLASCGSLSQSSASFFTPRSTRNDELLSDLTRTPPPPSSTFPK
ASSESSYLSILPKTPEGISEEQRSQELAAMEETRIVILNNLEELKQKIKDINDQMDESFRELDMECALLD
GEQKSETTELMKEKEILDHLNRKIAELEKNIVGEKTKDADLLDVESKHFEDLEFQQLEHESRLDEEKENL
TQQLLREVAEYQRNIVSRKEKISALKKQANHIVQQAQREQDHFVKEKNNLIMMLQREKENLCNLEKKYSS
LSGGKGFPVNPNTLKEGYISVNEINEPCGNSTNLSPSTQFPADADAVATEPATAVLASQPQSKEHFRSLE
ERKKQHKEGLYLSDTLPRKKTTSSISPHFSSATMGRSITPKAHLPLGQSNSCGSVLPPSLAAMAKDSESR
RMLRGYNHQQMSEGHRQKSEFYNRTASESNVYLNSFHYPDHSYKDQAFDTLSLDSSDSMETSISACSPDN
ISSASTSNIARIEEMERLLKQAHAEKTRLLESREREMEAKKRALEEEKRRREILEKRLQEETSQRQKLIE
KEVKIRERQRAQARPLTRYLPVRKEDFDLRSHVETAGHNIDTCYHVSITEKTCRGFLIKMGGKIKTWKKR
WFVFDRNKRTFSYYADKHETKLKGVIYFQAIEEVYYDHLKNANKSPNPLLTFSVKTHDRIYYMVAPSPEA
MRIWMDVIVTGAEGYTHFLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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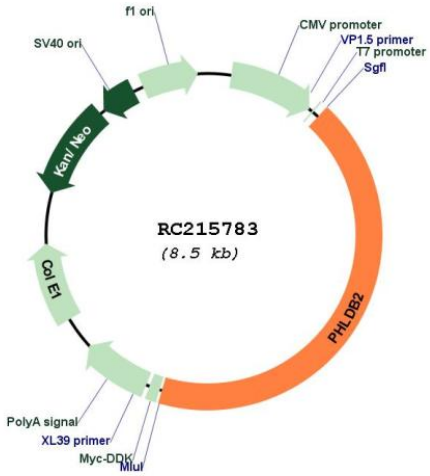
Plasmid Map:



ACCN:	NM_145753
ORF Size:	3630 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_145753.2, NP_665696.1
RefSeq Size:	6015 bp
RefSeq ORF:	3633 bp
Locus ID:	90102
UniProt ID:	Q86SQ0
Cytogenetics:	3q13.2

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Domains:	PH
MW:	136.9 kDa
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 (By similarity). [UniProtKB/Swiss-Prot Function]

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