

Product datasheet for SC126571

PHLDB2 (NM_145753) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHLDB2 (NM_145753) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHLDB2
Synonyms:	LL5b; LL5beta
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145753, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGAGCATAGCTACATACAAAAGGAGCTAGATTTACAAAATGGTAGCTTAGAGGAAGACTCTGTGG
TGCATTCTGTTGAGAACGATTCCCAAAACATGATGGAGAGCCTCAGCCCAAAGAAATACTCTCCAGTCT
GAGATTTAAAGCCAATGGAGACTATTCTGGCTCCTATTTAACCTCTCACAACTGTGCCTGCAAAGAGA
AGCCCTTCTCCTTTGGGAACCAAGTGTGAGAAGCAGCCCTCCTTAGCCAAATCCAGGGAAGCAAGCAGT
TCTCTTATGATGGAAGTACAAAAATATTCCTATGAAACCTCCAACCTCTTTACTCAACACTACATCCTC
CCTCAGTGGATATCCACTTGAAGAGCAGACTTTGATCATTATACTGGCCGGGACAGTGAAGGGCCTTG
AGGCTCTCAGAGAAGCCTCCCTATTCCAAATATAGCTCAAGGCATAAATCGCATGACAATGTCTACTCTC
TTGGAGGGCTGGAAGGTCGGAAGGCATCTGGCTCGCTCCTGGCCATGTGGAATGGAAGTTCCTGAGTGA
TGCTGGCCCGCCTCCTATCAGCAGATCGGGAGCCGAAGCATGCCTTCAAGCCCAAAGCAAGCCAGGAAA
ATGAGCATTTCAGGACAGCCTGGCGCTTCAACCCAGTTAACTAGACACAAGGAGCTTGCATCTGAAAACA
TCAATTTGAGAACTAGGAAGTACTCCAGCAGCAGCCTGAGTCACATGGGAGCCTACAGCCGATCACTTCC
CAGGTTGTACAGAGCCACAGAGAACCAGCTGACACCTCTCAGCTTGCCTCCAAGAACTCTCTGGCAAT
TCCAAACGAACAAAACCTTGGGAAAAGGATCTACCTCATAGCGTAATAGACAATGACAATTACCTTAATT
TTTCTTCTTTGAGCTCAGGGGCTTTACCTATAAAACCTCTGCTTCTGAAGGCAATCCTTATGTAAGTTC
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TCTGATGACTTTGATCAGGCTTCATATGTGGGGACAAACCCGAGTCATTCACTTCTTGCTGGAGAGTCAG
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CCTCAGACAGGCCTCAGGAACCCCCAGCCTGCCCTTCGGAACGGAAGCAAGCAGTATTAGCTCCATTTCA
GGACGTGATGACCTGATGGATTATCACCGCGGCAGAGGGAGGAAAGACTCAGGGAGCAGGAAATGGAGC
GATTGGAGAGACAGCTGTGGAGACCATCTCAGTCTCTGTGCTGAATACACAAAGCCTGACAGTCGCTT
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GAGGAGTCTGTGTTTGAAGAACCTCATGAGCCCTGACACAAGATACAGGTGCCACCGAAAGACTCCC
TCCCTGATGCAGACTTGCAAGCTGTGGGAGTCTCAGTCAGAGCAGTGCCAGCTTCTTTACCCCCAGGAG
  
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CACCAGGAATGATGAACTACTCAGTGACCTCACCCGGACTCCTCCACCACCATCCTCCACCTTTCCGAAA
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AATCAAAGACATAAATGATCAGATGGATGAGTCTTTCAGAGAGTTGGATATGGAATGTGCTCTTTTGGAT
GGAGAACAGAAATCTGAAACAACCTGAACCTATGAAGGAGAAGGAGATTTTGGATCATCTAAACCCGAAAA
TAGCTGAACTGGAAAAGAACATTGTTGGTGAAGAACCAAGGATGCTGACCTGTTGGATGTTGAAAGCAA
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CAGAAAAGACGCGGCTGCTCGAATCCAGGGAACGGGAAATGGAAGCCAAAAACGAGCCCTGGAAGAAGA
AAAACGACGCCGGGAAATCCTGGAACGACATTACAGGAAGAACTAGCCAGAGGCAGAAGTTAATAGAA
AAGGAAGTAAAAATAAGGAGAGACAAAGGGCACAGGCTCGTCTTTGACACGCTACCTGCCTGTCCGGA
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AATCACAGAGAAGACCTGCCGAGGATTCTCATCAAAATGGGTGGGAAAAATTAACGCTGAAAAAACGT
TGGTTTGTGTTTATCGGAACAAGCGAACATTCTCTTATTATGCAGACAAGCATGAACTAAATTGAAAG
GAGTAATATACTTTCAAGCCATTGAAGAAGTCTATTATGATCACCTCAAGAATGCTAATAAGAGTCTTA
TCCGTTACTCACCTTTAGCGTCAAGACTCATGACAGAATCTATTATGTTAGCCCCATCGCCAGAAGCC
ATGCGGATCTGGATGGATGTTATAGTTACGGGGGAGAGGTTACACTCACTTCTTGTGTAG

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_145753 unedited

CGCGAATTCGGCACGAGCTCACCGCAGTCAGGAGGGGCGGCGGGCTCACGGAGGGAGA
CAGGGTGGGCGGGGCAAGGCTANGCGCTAGGGCGGCGGCCAGCGTAAAGCGGCGGT
TTGGAGGAAAGATGAGACGATTCCAGCAAGATTATGGAAGAGCATAGCTACATACAAAAG
GAGCTAGATTTACAAAATGGTAGCTTAGAGGAAGACTCTGTGGTGCATTCTGTTGAGAAC
GATTCCCAAAACATGATGGAGAGCCTCAGCCCAAGAAATACTCTCCAGTCTGAGATTT
AAAGCCAATGGAGACTATTCTGGCTCCTATTTAACCTCTCACAACTGTGCCTGCAAAG
AGAAGCCCTTCTCCTTTGGGAACCAAGTGTGAGAGCAGCCCTCCTTAGCCAAAATCCAG
GGAAGCAAGCAGTTCTCTTATGATGGAAGTACAAAAATATTCCTATGAAACCTCCAAC
CCTTTACTCAACACTACATCCTCCCTCAGTGGATATCCACTTGGAAGAGCAGACTTTGAT
CATTATACTGGCCGGGACAGTGAAAGGGCCTTGAGGCTCTCANAGAAGCCTCCCTATTCC
AAATATAGCTCAAGGCATANATCGCATGACAATGTCTACTCTTGGAGGGCTGGAAGGT
CNGAAGGCATCTGGCTCGCTCCTGGCCATGTGGAATGGGAGNTCCCTGAGTGTGCTGGG
CCGGCTCC

Restriction Sites:

NotI-NotI

ACCN:

NM_145753

Insert Size:

4500 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:	<u>NM_145753.1, NP_665696.1</u>
RefSeq Size:	6015 bp
RefSeq ORF:	6015 bp
Locus ID:	90102
UniProt ID:	<u>Q86SQ0</u>
Cytogenetics:	3q13.2
Domains:	PH
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] Transcript Variant: This variant (4) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (c) has the same N- and C-termini but is shorter compared to isoform a.