

## Product datasheet for **RG206135**

### **PLBD2 (NM\_173542) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PLBD2 (NM_173542) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PLBD2
Synonyms:	P76
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206135 representing NM\_173542  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGGCCAGATGTACTGCTACCCCGCAGCCACCTGGCCCGGGCGCTGACGCGGGCGCTGGCGCTGG  
 CCCTGGTCTGGCCCTGCTGGTCCGGCCGTTCTGAGCGCCCTGGCGGGGCGATCCCAGCGCCGGGGG  
 CCGCTGGCGCGCGATGGGCAGGTCCCTCCAGCCTCCCGCAGCCGCTCGGTGCTCCTGGACGTCTCGGC  
 GGCCAGCTGCTTATGGTGGACGGACGCCACCCTGACCGCTGGCCTGGGCCAACCTCACCAACGCCATCC  
 GCGAGACTGGGTGGCCCTTCTGGAGCTGGGCACAAGTGGCCAATAACAATGACAGCTTGCAGGCCTATGC  
 AGCCGGTGTGGTGGAGGCTGCTGTGTCGGAGGAGCTCATCTACATGCACTGGATGAACACGGTGGTGAAT  
 TACTGCGGCCCTTCGAGTATGAAGTCGGCTACTGCGAGAGGCTGAAGAGCTTCTGGAGGCCAACCTAG  
 AGTGGATGCAGGAAGAGATGGAGTCAAACCCAGACTCACCTTACTGGCACCAGGTGCGGCTGACCCTCT  
 GCAGCTGAAAGGCTGGAGGACAGCTACGAAGGCCGTGTGAGCTTCCAGCTGGGAAGTTACCATCAA  
 CCCTTGGGGTTCCTCCTGCTGCAGCTCTCTGGGACCTGGAAGACCTGGAGCTGGCCCTGAACAAGACCA  
 AGATCAAACCTTCTCTGGGCTCTGGCTCCTGTTCTGCCCTCATCAAGCTGCTCCCTGGCCAGAGTGACCT  
 CCTGGTTGCCACAACACCTGGAACAACCTACCAGCACATGCTGCGTGTCAAGAACTACTGGTCCAG  
 TTCCGGGAAGGCCCTGGGGGACTACCCGCTGGTTCCTGGCAACAAGCTGGTCTTCTCCTCCTACCCCG  
 GCACCATCTTCTCCTGCGACGACTTCTACATCCTGGCAGTGGCTGGTGGTACTGGAGACCACCATGG  
 CAACAAGAACCAGCCCTGTGGAAGTATGTGCGGCCAGGGCTGTGTGCTGGAGTGGGTACGCAACATC  
 GTGGCCAACCCTGGCCTCGGATGGGGCCACCTGGGCAGACATCTTCAAGAGTTCAACAGCGGCACGT  
 ATAAACCAAGTGGATGATCGTGGACTACAAGGCGTTCATCCCGGGTGGGCCAGCCCGGGAGCCGGGT  
 GCTTACCATCCTGGAGCAGATCCCGGCATGGTGGTGGCTGACAAGACCTCGGAGCTCTACCAGAAG  
 ACCTACTGGGCCAGCTACAACATACCGTCTTCGAGACTGTGTTCAATGCCAGTGGGCTGCAGGCCCTAG  
 TGGCCAGTATGGGGACTGGTTTTCTTATGACGGGAGCCCGGGCCAGATCTTCCGGCGGAACCAGTC  
 ACTGGTACAAGACATGGACTCCATGGTCAAGGCTGATGAGGTACAATGACTTCTCCATGACCCTCTGTCA  
 CTGTGCAAAGCCTGCAACCCCGCCCAATGGGGAGAATGCTATCTCCGCCCGCTCCGACCTCAACCCGG  
 CCAATGGCTCCTACCCCTTCAAGGCCCTGCGTCAGCGCTCCATGGGGTATCGATGTGAAGGTGACCAG  
 CATGCTACTGGCCAGGATCCTGAGCCTGCTGGCGCCAGCGGTCCACGTGGGACCAGGTGCCCCGGTTC  
 CAGTGGAGCACCTCGCCCTTCAAGGCCCTGCTGCACATGGGCCAGCCAGACCTCTGGAAGTTCGCGCCTG  
 TCAAGTTTCATGGGAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206135 representing NM\_173542  
 Red=Cloning site Green=Tags(s)

MVGQMYCYPGSHLARALTRALALALVLLVGPFLSGLAGAIAPGGRWARDGQVPPASRSRSLLDVSA  
 GQLLMVDGRHPDAVAVANLTNAIRETGWAFLELGTSGQYNDLQAYAAGVVEAAVSEELIYMHMNTVVN  
 YCGPFYEYVGYCERLKSFLLEANLEWMQEEMESNPDSPLYWHQVRLTLLQLKGLSDSYEGRVSFPAGKFTIK  
 PLGFLLLQLSGDLEDLELALNKTIKPSLGSAGSALIKLLPGQSDLLVAHNTWNNYQHMLRVIKYYWLQ  
 FREGPWGDYPLVPGNKLVFSSYPGTIFSCDDFYILGSLVTLETTIGNKNPALWKYVVRPRGCVLEWVRNI  
 VANRLASDGATWADIFKRFNSGTYNQWMIVDYKAFIPGGPSPGSRVLTILEQIPGMVVVADKTSELYQK  
 TYWASYNIPSFETVFNASGLQALVAQYGDWF SYDGSRAQIFRRNQSLVQDMDSMVRLMRYNDFLHDPLS  
 LCKACNPQPNGENAI SARSDLN PANGSYPFKALRQRSHGGIDVKVTSMSLARILSLLAASGPTWDQVPPF  
 QWSTSPFSGLLHMQPDLWKFAPVKVSWD

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_173542

**ORF Size:** 1767 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\\_173542.2](#), [NP\\_775813.1](#)

**RefSeq Size:** 2584 bp

**RefSeq ORF:** 1770 bp

**Locus ID:** 196463

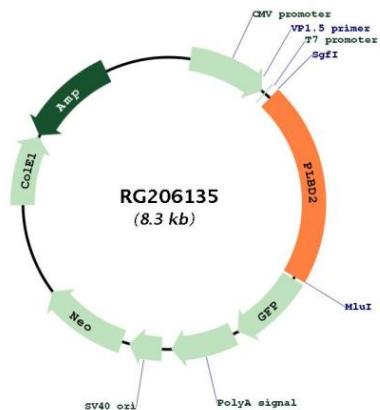
**UniProt ID:** [Q8NHP8](#)

**Cytogenetics:** 12q24.13

Protein Families: Transmembrane

Gene Summary: Putative phospholipase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG206135