

Product datasheet for **RG206751**

PHLDA3 (NM_012396) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PHLDA3 (NM_012396) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PHLDA3
Synonyms: TIH1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206751 representing NM_012396
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGACGGCGGGCGACGGCTACCGTGCTCAAGGAGGGCGTGCTGGAGAAGCGCAGCGGGCGGGCTGCTGC
AGCTGTGGAAGCGGAAGCGCTGCGTCCTCACGAACGCGGGCTGCAGCTCTTCGAGGCCAAGGGCACGGG
CGGCCGGCCCAAGGAGCTCAGCTTCGCCCGCATCAAGGCCGTGGAGTGCCTGGAGAGCACCGGGCGCCAC
ATCTACTTCACGCTGGTGACCGAAGGGGGCGGCGAGATCGACTTCGCTGCCCCCTGGAAGATCCCGCT
GGAACGCCCAGATCACCCTAGGCCTGGTCAAGTTCAAGAACCAGCAGGCCATCCAGACAGTGCGGGCCCG
GCAGAGCCTCGGGACCGGACCCTCGTGTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206751 representing NM_012396
Red=Cloning site Green=Tags(s)

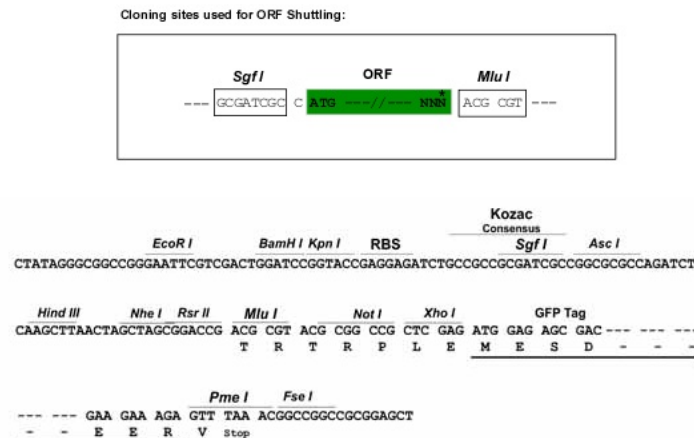
MTAAATATVLKEGVLEKRSGLLQLWKRKRCVLTERGLQLFEAKGTGGRPKELSFARIKAVECVESTGRH
 IYFTLVTEGGGEIDFRCPLEDPGWNAQITLGLVKFNQQAIIQTVRARQSLGTGLVS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_012396

ORF Size: 381 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_012396.5](#)

RefSeq Size: 1607 bp

RefSeq ORF:	384 bp
Locus ID:	23612
UniProt ID:	Q9Y5J5
Cytogenetics:	1q32.1
Domains:	PH
Gene Summary:	p53/TP53-regulated repressor of Akt/AKT1 signaling. Represses AKT1 by preventing AKT1-binding to membrane lipids, thereby inhibiting AKT1 translocation to the cellular membrane and activation. Contributes to p53/TP53-dependent apoptosis by repressing AKT1 activity. Its direct transcription regulation by p53/TP53 may explain how p53/TP53 can negatively regulate AKT1. May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206751