

Product datasheet for **RN204958**

Phlda3 (NM_001012206) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phlda3 (NM_001012206) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Phlda3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN204958 representing NM_001012206 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGCGCGCGACCGTGCTAAAGGAGGGCGTGCTGGAGAAGCGCAGCGCGGGCTGCTGCAGCTGT
 GGAAGCGGAAGCGTTGCGTGCTACCGAGCGCGGGCTGCAGCTCTTCGAGGCCAAGGGCACGGCGGCCG
 GCCAAGGAGCTCAGTTCTCCCGCATCAAAGCCGTGGAGTGCGTGAGAGCACCGGGCGCCACATCTAC
 TTCACGCTAGTGACCGAAGGCGGGGCGAGATCGACTTCCGCTGCCCCCTCGAAGACCCCGGCTGGAACG
 CTCAGATCACCTGGGCTGGTCAAGTTCAAGAATCAACAGGCCATCCAGACTGTGCGGGCCCGGCAGAG
 TCTTGGAACTGGGACCCCTCGTGTCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001012206
Insert Size:	378 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).
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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_001012206.2, NP_001012206.1</u>
RefSeq Size:	1511 bp
RefSeq ORF:	378 bp
Locus ID:	363989
UniProt ID:	<u>Q5PQT7</u>
Cytogenetics:	13q13
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 (By similarity).[UniProtKB/Swiss-Prot Function]