

## Product datasheet for **RC202953**

### PPAPDC3 (PLPP7) (NM\_032728) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPAPDC3 (PLPP7) (NM_032728) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPAPDC3
Synonyms:	C9orf67; NET39; PPAPDC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202953 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGCTTCCCAGAGCCGGGCCCGTCCCGGGACCGCAACAACGTCCTCAACCGGGCTGAGTTCCTGT  
CCCTGAACCAGCCCCCAAGGGGGCCCGAGCCCGCAGCTCGGGCAGAAAGGCCTCGGGCCATCAGC  
ACAGCCCCACCTGCTGGTGACGGGGCCAGAGAGCGACGCCAGTCACAGCAGCTGCCAGAGGAGGACTGC  
ATGCAGCTGAACCCTCCTTCAAGGGCATCGCCTTCAACTCCCTGCTGGCCATCGATATCTGTATGTCCA  
AGCGGCTGGGGTGTGCGCTGGCCGGCGGCGTCTGGGCCAGTGCCCGTCCATGGTCAAGCTCATCGG  
CATCACGGGCCACGGCATCCCCTGGATCGGAGGACCATCCTCTGCTGGTGAAGAGCAGCACACTGGCC  
GGCCAGGAGGTGCTCATGAATCTGCTCCTGGCCCTGCTCCTGGACATCATGACGGTGGCCGGCGTGAGA  
AGCTCATCAAGCGGCGCGGCCGTACGAGATGAGCCCCAGCCTCCTGGACTACCTCACCATGGACATCTA  
CGCCTTCCCGGCCGGCACGCCAGCCGCGCCCATGGTGTCCAAGTCTTCCCTCAGCCACCTGGTGCTG  
GCGGTGCCCTGCGCGTGTGCTGGTGTCTGGGCCCTGCGTGGGCCCTGTCCCGCGTGATGATCGGCC  
GCCACCAGTCACGGACGTCCTCCTCCGGCTTGTGTCATCGGCTACCTCCAGTCCGCTGCTGGTGGAGCTGGT  
CTGGATGCCCTCCAGCACCTGCCAGATGCTCATCTCTGCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202953 protein sequence  
 Red=Cloning site Green=Tags(s)

MPASQSRARARDRNVLNRAEFLSLNQPPKGGPEPRSSGRKASGPSAQPPPAGDGARERRQSQQLPEEDC  
 MQLNPSFKGI AFNSLLAIDICMSKRLGVCAGRAASWASARSMVKLIGITGHGIPWIGGTILCLVKSSTLA  
 GQEVLMNLLLALLLDIMTVAGVQKLIKRRGPYEMSPSLLDYL TMDIYAFPAGHASRAAMVSKFFLSHLVL  
 AVPLRVLLVLWALCVGLSRVMIGRHHVTDVLSGFVIGYLQFRLVELVWMPSSCQMLISAW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6721\\_g03.zip](https://cdn.origene.com/chromatograms/mk6721_g03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_032728

**ORF Size:** 813 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\\_032728.2](#), [NP\\_116117.2](#)

**RefSeq Size:** 2095 bp

**RefSeq ORF:** 816 bp

**Locus ID:** 84814

**UniProt ID:** [Q8NBV4](#)

**Cytogenetics:** 9q34.13

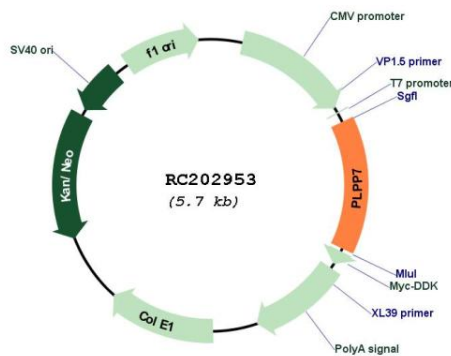
**Domains:** acidPPc

**Protein Families:** Transmembrane

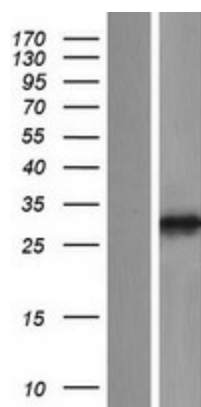
**MW:** 29.5 kDa

**Gene Summary:** Plays a role as negative regulator of myoblast differentiation, in part through effects on MTOR signaling. Has no detectable enzymatic activity (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC202953



Western blot validation of overexpression lysate (Cat# [LY409965]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202953 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).