

Product datasheet for **RG211792**

PAPL (ACP7) (NM_001004318) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	PAPL
Synonyms:	PAPL; PAPL1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG211792 representing NM_001004318
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCACCCCTTCCTGGTACTGGTCTGTACTGTCTACTCTGTCTATTCTCCTTGGGAGTCCAGGGGT
CCCTGGGGGCTCCAGCGCTGCCCCAGAGCAAGTCCATCTGTCTTACCCAGGTGAGCCAGGCTCCATGAC
TGTAATTGGACCACATGGGTCCCAACCCGCTCTGAAGTGCAATTCGGGTTGCAGCCGTGGGGCCCTG
CCCCCTCCGCGCCAGGGCACCTTCGTCCCCCTTTGTGGACGGGGCATTCTCCGGCGGAAGCTCTACATAC
ACCGAGTCACGCTTCGCAAGCTGCTGCCAGGGGTTCAAGTATGTTTATCGCTGTGGCAGTGCCAGGGCTG
GAGCCGTGGTTCGCTTCAGGGCCCTCAAGAATGGGGCCCACTGGAGTCCCGTCTGGCTGTGTTTGA
GACCTGGGGCTGACAACCCGAAGGCCGTCCCCGGCTGCGCAGGGACACCCAGCAGGGCATGTATGACG
CCGTTCTCCATGTGGGAGACTTGCCTACAACCTGGATCAGGACAACGCCCGTGTGGGGATAGGTTTAT
GCGGCTCATTGAACCCGTGGCTGCCAGCCTGCCGTACATGACATGCCCTGGGAATCATGAAGAACGCTAC
AACTTCTCTAACTACAAGGCTCGCTTCAGCATGCCGGGGGATAATGAGGGCCTGTGGTACAGCTGGGATC
TGGGTCCCGCCACATCATCTCTTCTCCACCGAGGTCTATTTCTTTCTCCATTATGGCCGCCACTTGGT
ACAGAGGCAGTTTCGCTGGCTGGAGAGCGACCTCCAGAAAGCCAATAAGAACCGGGCAGCCGGCCGTGG
ATCATCACTATGGGGCACCGGCCATGTACTGCTCAACGCAGATCTGGACGACTGCACACGACATGA
GCAAGTCCGCAAGGCCCTCAAGGCAAGCTGTACGGGTTGGAGGATCTTTTCTACAAATATGGAGTGGA
TCTGCAGCTGTGGGCTCATGAGCACTCGTATGAACGACTGTGGCAATTTACAACCTACCAGGTATTTAAC
GGCAGCCGAGAGATGCCCTACCTAACCCTGAGGGCCTGTCCACATCATCAGGATCTGTGGCTGTG
AGGAGCGGCTGACGCCCTTGTGTCTTCCGAGGCCCTGGAGTGCCGTGCGTGTGAAGGAGTACGGGT
TACGCGGCTGACATCCTCAACGGGACCCACCCACATCCAGCAGGTGTCGGACGACCAGGATGGGAAG
ATCGTAGATGATGTCTGGGTGGTGAAGCCCTGTTTGGCCGGAGGATGTACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG211792 representing NM_001004318

Red=Cloning site Green=Tags(s)

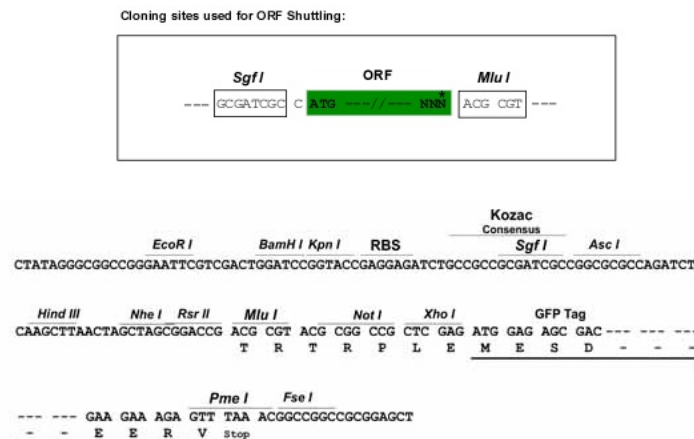
MHPLPGYWSCYCLLLFSLGVQGS LGAPSAAPEQVHLSYPGEPGSMVTWTTWVPTRESEVQFGLQPSGPL
PLRAQGTFFVDFDGGILRRKLYIHRVTLRKLLPGVQYVYRCGSAQGSRRFRFRALKNGAHWSPRLAVFG
DLGADNPKAVPRLRRTQQGMYDAVLHVGDFAYNLDQDNARVGDRFMRLIEPVAASLPYMTCPGNHEERY
NFSNYKARFSMPGDNEGLWYSWDLGPAHIISFSTEYVFFLHYGRHLVQRQFRWLES DLQKANKNRAARPW
IITMGHRPMYCSNADLDDCTRHE SKVRKGLQGKLYGLEDLFYKYGVDLQLWAHEHSYERLWPIYNYQVFN
GSREMPYTNPRGPVHIITGSAGCEERLTPFAVFPRPWSAVRVKEYGYTRLHILNGTHTHIQVSDQDGK
IVDDVWVRPLFGRRMYL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001004318

ORF Size:

1314 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_001004318.1](#), [NP_001004318.1](#)

RefSeq Size: 2311 bp

RefSeq ORF: 1317 bp

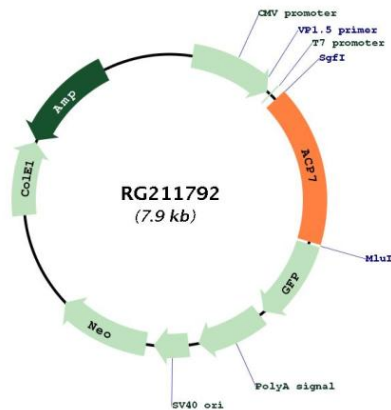
Locus ID: 390928

UniProt ID: [Q6ZNF0](#)

Cytogenetics: 19q13.2

Gene Summary: Purple acid phosphatases (PAPs), including PAPL, are a family of binuclear metallohydrolases that have been identified in plants, animals, and fungi (Flanagan et al., 2006 [PubMed 16793224]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG211792