

## Product datasheet for **RG206446**

### **PAMCI (RASSF9) (NM\_005447) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PAMCI (RASSF9) (NM_005447) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAMCI
Synonyms:	P-CIP1; PAMCI; PCIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206446 representing NM_005447 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCCTTTGGAAGAACTTGCTAAAGACTCGGCATAAAAACAGATCTCCAATAAGACATGGATT  
CAGAAGAGAAGGAAATTGTGTTGGGTTTGC AAGAAGAGAAGCTTGTCTGTGGGCTGACTAAACGCAC  
CACCTCTGCTGATGTCATCCAGGCTTGTCTTGAGGAACATGAGGCTACGTTTGGAGAGAAACGATTTCTT  
CTGGGGAAGCCAGTGATTACTGCATCATAGAGAAGTGGAGAGGCTCCGAAAGGGTTCTTCTCCACTAA  
CTAGAATCCTGAAGCTTTGGAAGCGTGGGAGATGAGCAGCCCAATATGCAATTTGTTTTGGTTAAAGC  
AGATGCTTTTCTCCAGTTCCTTTGTGGCGGACAGCTGAAGCCAAATTAGTGCAAAAACAGAAAAATTG  
TGGGAGCTCAGCCAGCAAACTACATGAAGACTTTACCACCAGATAAACAAAAAAGAAATAGTCAGAAAA  
CTTCCGAAACTGGCTAAAATTAAGCAGGACACAGTTTCTCATGATCGAGATAATATGGAGACATTAGT  
TCATCTGATCATTTCCAGGACCATACTATTTCATCAGCAAGTCAAGAGAAATGAAAGAGCTGGATCTGGAA  
ATTGAAAAGTGTGAAGCTAAGTTCATCTTGATCGAGTAGAAAATGATGGAGAAAATATGTTCCAGGATG  
CATATTTAATGCCAGTTTCAGTGAAGTTGAGCAAAATCTAGACTTGCAGTATGAGGAAAACCAGACTCT  
GGAGGACCTGAGCGAAAGTGAATGGAATTGAACAGCTGGAAGAACGACTGAAATATTACCGAATACTCATT  
GATAAGCTCTCTGCTGAAATAGAAAAGAGGTAAGTGTGTTGCATTGATATAAATGAAGATCGCGGAAG  
GGGAAGCTGCAAGTGAAGTGAAGCTCTAATTTAGAGAGTGTTAAGTGTGATTTGGAGAAAAGCATGAA  
AGCTGTTTTGAAAATCACTCTCATTGAGTGGCATCCAGAAAAGAGATTAATACAGTGACTCATTGCTT  
CAGATGAAAGCAAAAAGAAATGAAGTCTGGCCAAAGGAATTCAATCACTTACATTAGCAACAAAGATG  
GGTGCCAGTTAAAGGAAAACAGAGCGAAGGAATCTGAGGTTCCAGTAGCAATGGGGAGATTCTCCCTT  
TACTCAAAGAGTATTTAGCAATTACACAAATGACACAGACTCGGACACTGGTATCAGTTCTAACCACAGT  
CAGGACTCCGAAACAACAGTAGGAGATGTGGTCTGTTGCAACA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206446 representing NM\_005447  
Red=Cloning site Green=Tags(s)

MAPFGRNLLKTRHKNSPTKMDSEEKEIVVWVCQEEKLVCGLTKRTTSADVIQALLEEHEATFGEKRFLLGKPSDYCIEKWRGSEKRVLPPLTRILKLWKAWGDEQPNMQFVLVKADAFPLVPLWRTAEAKLVQNTKELWELSPANMYMKTLPDPKQKRIVRKTRFKLAKIKQDTVSHDRDNMETLVHLIISQDHTIHQQVKRMKELDLEIEKCEAKFHLDRVENDGENYVQDAYLMPFSFSEVEQNLDLQYEENQTLLEDLSESDGIEQLEERLKYRILIDKLSAEIEKEVKSVCIDINEDAEGEAASELSSNLESVKCDLEKSMKAGLKIHSLSGIQKEIKYSDSLQMKAKEYELLAKEFNLSLHISNKDGCQLKENRAKESEVPSSNGEIPPFTQRVFSNYNTDSDTGTGSSNHSQDSETTVGDVLLST

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005447

**ORF Size:** 1305 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\\_005447.4](#)

**RefSeq Size:** 1574 bp

**RefSeq ORF:** 1308 bp

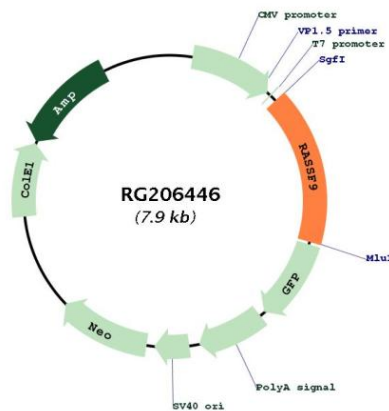
**Locus ID:** 9182

**UniProt ID:** [O75901](#)

**Cytogenetics:** 12q21.31

**Gene Summary:** The protein encoded by this gene localizes to perinuclear endosomes. This protein associates with peptidylglycine alpha-amidating monooxygenase, and may be involved with the trafficking of this enzyme through secretory or endosomal pathways. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG206446