

## Product datasheet for **RG218474**

### **AAMP (NM\_001087) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AAMP (NM_001087) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AAMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218474 representing NM_001087 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTCCGAATCGGAAAGCGGGGCTGCTGCTGACACCCCCCACTGGAGACCCTAAGCTTCCATGGTG  
ATGAAGAGATTATCGAGGTGGTAGAACTTGATCCCGGTCCGCCGACCCAGATGACCTGGCCAGGAGAT  
GGAAGATGTGGACTTTGAGGAAGAAGAGGAGGAAGAGGGCAACGAAGAGGGCTGGTTCTAGAACCCAG  
GAAGGGTGGTCGGCAGCATGGAGGGCCCCGACGATAGCGAGGTCACCTTTGCATTGCACTCAGCATCTG  
GTTTTGTGTGAGCCTGGACCCCAAGACCAATACCTTGGCAGTGACCGGGGGTGAAGATGACAAAGCCTT  
CGTATGGCGGCTCAGCGATGGGGAGCTGCTCTTTGAGTGTGCAGGCCATAAAGACTCTGTGACTTGTGCT  
GGTTTCAGCCATGACTCCACTCTAGTGGCCACAGGGGACATGAGTGGCCTCTTAAAAGTGTGGCAGGTGG  
ACACTAAGGAGGAGGTCTGGTCCTTTGAAGCGGGAGACCTGGAGTGGATGGAGTGGCATCCTCGGCACC  
TGTCTGTGGCGGGCACAGCTGACGGCAACACCTGGATGTGAAAGTCCCGAATGGTGACTGCAAGACC  
TTCCAGGGTCCCAACTGCCAGCCACCTGTGGCCGAGTCTCCCTGATGGGAAGAGAGCTGTGGTAGGCT  
ATGAAGATGGGACCATCAGGATTTGGGACCTGAAGCAGGGAAGCCCTATCCATGTAAGAAAGGACTGA  
GGGTACCAGGGCCCACTCACCTGTGTTGCTGCCAACCAGGATGGCAGCTTGATCCTAACTGGCTCTGTG  
GACTGCCAGGCCAAGCTGGTCAGTGCCACCACCGCAAGGTGGTGGTGTGTTTTAGACCTGAGACTGTGG  
CCTCCCAGCCCAGCCTGGGAGAAGGGGAGGAGAGTGAAGTCCAACCTCGGTGGAGTCCCTGGGCTTCTGCAG  
TGTGATGCCCCTGGCAGCTGTTGGCTACCTGGATGGGACCTTGGCCATCTATGACCTGGCTACGCAGACT  
CTTAGGCATCAGTGTGAGCACCAGTCCGGCATCGTGCAGCTGCTGTGGGAGGCAGGCACTGCCGTGGTAT  
ATACCTGCAGCCTGGATGGCATCGTGGCCTCTGGGACGCCCCGACCGCCGCTGCTTACTGACTACCG  
GGGCCACACGGCTGAGATCCTGGACTTTGCCCTCAGCAAAGATGCCTCCCTGGTGGTGACCACGTGACGA  
GACCACAAAGCGAAAGTATTTTGTGTCCAAAGGCTGACCGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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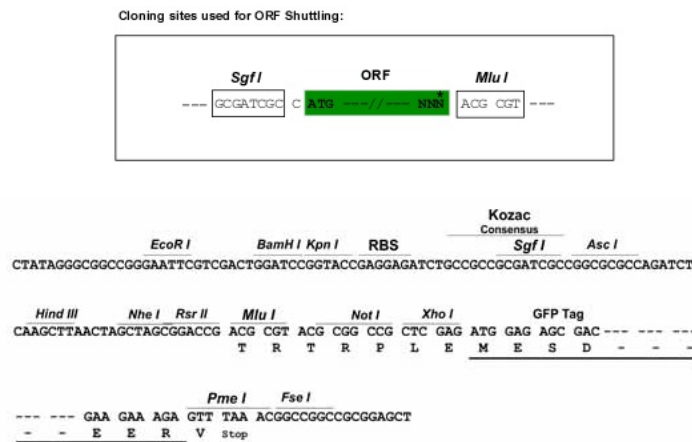
**Protein Sequence:** >RG218474 representing NM\_001087  
Red=Cloning site Green=Tags(s)

```
MESESESGAAADTPPLETLSFHGDEEIIIEVVLDPGPPDPDDLAQEMEDVDFEEEEEEGNEEGWVLEPQ
EGVVGSMEGPDDSEVTFALHSASVFCVSLDPKNTLAVTGGEDDKAFVWRLSDGELLFECAGHKDSVTC
GF SHDSTLVATGDMSSGLLKVVQVDTKEEVWSFEAGDLEWMEWHPRAPVLLAGTAGDNTWMWKVPNGDCKT
FQGPNCPATCGRVLPDGKRAVVGYEDGTIRIWDLKQGSPIHVLKGTTEGHQGPLTCVAANQDGLILTG
SV DCQAKLVSATTGKVVGVFRPETVASQPSLGESESESNVSESLGFCSVMPLAAVGYLDGTLAIYDLATQT
LRHQCCQHQSGIVQLLWEAGTAVVYTCSLDGI VRLWDARTGRLLTDYRGHTAEILDFALSKDASLVYTTSG
DHKAKVFCVQRPR
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001087

**ORF Size:** 1302 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\\_001087.5](#)

**RefSeq Size:** 1792 bp

**RefSeq ORF:** 1305 bp

**Locus ID:** 14

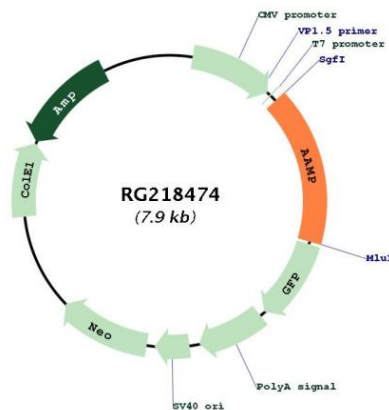
**UniProt ID:** [Q13685](#)

**Cytogenetics:** 2q35

**Domains:** WD40

**Gene Summary:** The gene is a member of the immunoglobulin superfamily. The encoded protein is associated with angiogenesis, with potential roles in endothelial tube formation and the migration of endothelial cells. It may also regulate smooth muscle cell migration via the RhoA pathway. The encoded protein can bind to heparin and may mediate heparin-sensitive cell adhesion. [provided by RefSeq, Oct 2014]

### Product images:



Circular map for RG218474