

Product datasheet for **RC238221**

AAMP (NM_001302545) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AAMP (NM_001302545) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AAMP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC238221 representing NM_001302545
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTCCGAATCGAAAGCGGGGCTGCTGCTGACACCCCCCACTGGAGACCCTAAGCTTCCATGGTG
ATGAAGAGATTATCGAGGTGGTAGAACTTGATCCCGTCCGCCGACCCAGCAGATGACCTGGCCCAGGA
GATGGAAGATGTGGACTTTGAGGAAGAAGAGGAGGAAGAGGGCAACGAAGAGGGCTGGTCTAGAACC
CAGGAAGGGTGGTTCGGCAGCATGGAGGGCCCCGACGATAGCGAGGTACCTTTGCATTGCACTCAGCAT
CTGTGTTTTGTGTGAGCCTGGACCCCAAGACCAATACCTTGCCAGTGACCGGGGTGAAGATGACAAAGC
CTTCGTATGGCGGCTCAGCGATGGGAGCTGCTCTTTGAGTGTGCAGGCCATAAAGACTCTGTGACTTGT
GCTGGTTTCAGCCATGACTCCACTCTAGTGCCACAGGGGACATGAGTGGCCTCTTGAAAGTGTGGCAGG
TGGACACTAAGGAGGAGGTCTGGTCCTTTGAAGCGGGAGACCTGGAGTGGATGGAGTGGCATCCTCGGGC
ACCTGTCCTGTTGGCGGGCACAGCTGACGGCAACACCTGGATGTGGAAAGTCCCGAATGGTACTGCAAG
ACCTCCAGGGTCCCAACTGCCAGCCACCTGTGGCCGAGTCTCCCTGATGGGAAGAGAGCTGTGGTAG
GCTATGAAGATGGGACCATCAGGATTTGGGACCTGAAGCAGGGAAGCCCTATCCATGTACTGAAAGGGAC
TGAGGGTCAACAGGGCCCACTCACCTGTGTTGCTGCCAACAGGATGGCAGCTTGATCCTAACTGGCTCT
GTGGACTGCCAGGCCAAGCTGGTCAAGTCCACCACCGGCAAGGTGGTGGGTGTTTTAGACCTGAGACTG
TGGCCTCCAGCCAGCCTGGGAGAAGGGGAGGAGTGAAGTCCAACCTCGGTGGAGTCTTTGGGCTCTG
CAGTGTGATGCCCTGGCAGCTGTTGGTACCTGGATGGGACCTTGGCCATCTATGACCTGGCTACGCAG
ACTCTTAGGCATCAGTGTGAGCACCAGTCGGGCATCGTGCAGTCTGTGGGAGGCAGGCACTGCCGTGG
TATACCTGCAGCCTGGATGGCATCGTGCCTCTGGGACGCCCGACCGCCGCTGCTTACTGACTA
CCGGGGCCACACGGCTGAGATCCTGGACTTTGCCCTCAGCAAAGATGCCTCCCTGGTGGTGACCACGTCA
GGAGACCACAAAGCGAAAGTATTTGTGTCCAAGGCCGTACCCG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC238221 representing NM_001302545
 Red=Cloning site Green=Tags(s)

MESESESGAAADTPPLETLSFHGDEEIIIEVVELDPGPPDPADDLAQEMEDVDFEEEEEEGNEEGWVLEP
 QEGVVGSMIEGPDSEVTFALHSASVFCVSLDPKTNLAVTGGEDDKAFVWRLSDGELLFECAGHKDSVTC
 AGFSDSTLVATGDMISGLLKVWQVDTKEEVWSFEAGDLEWMEWHPRAPVLLAGTADGNTWMWKPNGDCK
 TFQGPNCPATCGRVLPDGKRAVVGVEDGTIRIWDLKQGSPIHVLKGTGEHQGPLTCVAANQDGSILITGS
 VDCQAKLVSAATTGKVVGVFRPETVASQPSLGEGESESNVSESLGFCVMPLAAVGYLDGTLAIYDLATQ
 TLRHQCHQSGIVQLLWEAGTAVVYTCSLDGIIVRLWDARTGRLLTDYRGHTAEILDFALSKDASLVVTTT
 GDHKAKVFCVQRPDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

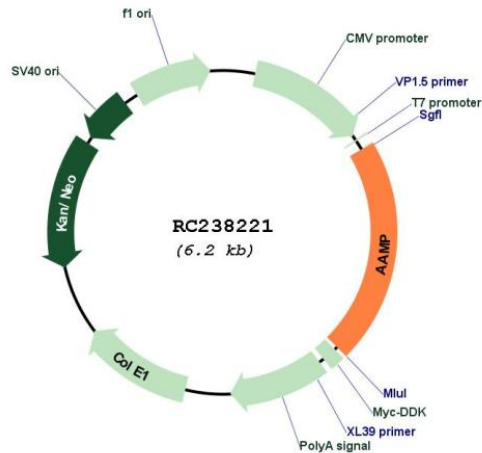
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001302545
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:	<ol style="list-style-type: none">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_001302545.2
RefSeq Size:	1845 bp
RefSeq ORF:	1308 bp
Locus ID:	14
Cytogenetics:	2q35
MW:	47.3 kDa
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]