

Product datasheet for **SC313447**

AAMP (NM_001087) Human Untagged Clone

Product data:

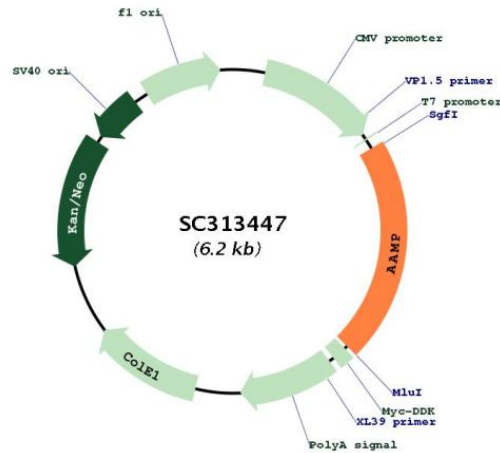
Product Type:	Expression Plasmids
Product Name:	AAMP (NM_001087) Human Untagged Clone
Tag:	Tag Free
Symbol:	AAMP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC313447 representing NM_001087. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTCCGAATCGAAAGCGGGGCTGCTGCTGACACCCCCCACTGGAGACCCTAAGCTTCCATGGT
GATGAAGAGATTATCGAGGTGGTAGAACTTGATCCCGTCCGCCGACCCAGATGACCTGGCCCAGGAG
ATGGAAGATGTGGACTTTGAGGAAGAAGAGGAGGAAGAGGGCAACGAAGAGGGCTGGGTTCTAGAACC
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TCTGTGTTTTGTGTGAGCCTGGACCCCAAGACCAATACCTTGGCAGTGACCGGGGTGAAGATGACAAA
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TGCAAGACCTCCAGGGTCCCAACTGCCAGCCACCTGTGGCCGAGTCTCCCTGATGGGAAGAGAGCT
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AAAGGGACTGAGGGTACCAGGGCCCACTCACCTGTGTTGCTGCCAACCAGGATGGCAGCTTGATCCTA
ACTGGCTCTGTGGACTGCCAGGCCAAGCTGGTCCAGTCCACCACCGCAAGGTGGTGGGTTTTTAGA
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CTGGCTACGCAGACTCTTAGGCATCAGTGTGACACCAGTCCGGCATCGTGCAGCTGCTGTGGGAGGCA
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CTGCTTACTGACTACCGGGCCACACGGCTGAGATCCTGGACTTTGCCCTCAGCAAAGATGCCTCCCTG
GTGGTGACCACGTGAGGAGACCACAAAGCGAAAGTATTTTGTGTCCAAGGCCTGACCGTTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001087

Insert Size: 1305 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001087.4](#)

RefSeq Size: 1842 bp

RefSeq ORF: 1305 bp

Locus ID: 14

UniProt ID: [Q13685](#)

Cytogenetics: 2q35
Domains: WD40
MW: 46.8 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]
Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 2 which is shorter compared to isoform 1.