

## Product datasheet for **RC231419**

### **AOPEP (NM\_001193329) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	AOPEP (NM_001193329) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AOPEP
Synonyms:	AP-O; APO; C9orf3; C9ORF3; ONPEP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC231419 representing NM\_001193329  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACATACAGCTGGACCTGCCAGAGATGACCTGCCTCTCATGGCCAACACCAGCCACATACTTGTGA  
 AGCACTATGTAAGTGGATTTGGATGTGGATTTTGAAGTCAAGTATTGAGGGACCATAGTGCTTTTCTT  
 CGAGGATGGAAACAGATTCAAGAAACAGAAATAGCTCTATTGAGGAAGCCTGCCAATCAGAATCAAACAAA  
 GCCTGCAAATTTGGGATGCCTGAACCTGCCATATTCCCGTGACAAATGCAAGGACCTTCTCATCTGAAA  
 TGGAAATAATGATTTTGAATCTGTAGTAAAGGTGAAAAAGATACTTCTGATAAAGATGGTAACCATGA  
 CAACCAGGAACATGCTTCTGGGATTTCTAGCTCAAAGTACTGCTGTGACACAGGGAAATCATGGGAGTGAG  
 GATTTTTTGTAGTGTGGACTGCTGTGATTTATCTGTGTTAAAAGTCGAGGAGGTGGATGTTGCTGCTG  
 TGCCAGGTCTGGAAAAATTTACAAGTCTCCTGAGCTCACGGTTGTTTCTGAGGAGTTCAGGAATCAGAT  
 TGTACGTGAACCTGTGACTTTGCCTGCAAATCGTTGGAGGGAGCAGTTAGACTATTACGCTCGCTGCAGC  
 CAGGCTCCTGGCTGTGGGAACTCCTCTTTGACTGACACTGGAGCTTGACAGATAAGGAAGACAGGGG  
 CTCAGACAGTACTGACTTTCTCATGCTATCAGGATATGGTACAAAACAACTAAACCTGAAGGGCGATCCGGT  
 TACATGGACCTCAGACCAGAGTGGCAGGCCATGTGTTTATACTGTGGGATCTCCCATAAACACAGGGCC  
 CTTTTCCATGCCAGGAGCCACCCGTTGCCATGTCAACATGGCAGGCTACAGTTCGAGCAGCTGCATCTT  
 TTGTTGTTTTAATGAGTGGGAAAAATTTGCCAAACCAACGCAGCTTTGGGAAGAGTGCTCAAGCTGGTA  
 TTAATAATGTAATGCAATGCCAGCTCCACCTTACAATTGCAGTGGGATGCTGGACAGAAATGAAG  
 ATGGAGACATGGTCAATGATTTGGCAACAGAGAGACCCTTCTCACCTTCTGAGGCCAACTCAGGC  
 ATGTTGGTGTTCAGTCACATGGAATACCCCTGCCGCTCCAGAATGCTTCTGCCACCACCCAGGAGAT  
 CATTCTCATCGGTCTTTGCCCTGTGTGCCTCACGGGTGCCTGCCAAGAGACCCTTCTGCGGCTGATC  
 CCTCCTTGCTCTCAGCAGCACATTCTGTTCTGGGAGCACACCCGTTCTCTCGGCTGGATGTTCTCATCG  
 TCCCTGCCAACTTTCCAAGTCTGGGGATGGCCAGCCACACATCATGTTCTCTCTCAGAGCATCTTGAC  
 AGGAGGGAACCATCTCTGTGGGACCCGCTCTGCCATGAAATTGCCATGCCTGGTTTGGCTAGCCATC  
 GGGGCCGAGACTGGACGGAGGAGTGGCTGAGTGAAGGCTTCGCCACTCACTTGGAGGATGTGTTTTGGG  
 CCACAGCACAGCAGCTGGCCCCATGAGGCCCGGGAGCAGCAGGAGCTGAGGGCTTGTCTGCGCTGGCG  
 TCGCTCCAGGACGAGATGCAATGCTCCCCGAGGAGATGCAGGTGTTAAGACCCAGTAAAGACAAAAC  
 GGCCACACAAGTACTCGGGAGCATCTGTTATCAAGCATGGACTTAATCCGGAGAAGATCTTCATGCAGG  
 TGCAATATTTAAAGGGCTACTTCCTTCTCGGTTTCTTGCCAAAAGACTTGGAGATGAAACCTATTTTTC  
 ATTTTTAAGAAAATTTGTGCACACATTTTATGACAGCTGATTCTTTCCAGGATTTCTTCAAATGCTA  
 CTGGAGAACATTCAGAAGAAAAAGGCTTGAGCTGTCTGTTGAAAACATCTACCAAGACTGGCTTGAGA  
 GTTCCGGAATACCAAAGCCGCTGCAGAGGGAGCGTTCGCGCCGGGGCGGAGTGCAGGCTTGCAGCGCAAGT  
 GCGCGCCGAGGTCACGAAATGGATTGGAGTGAACCGGAGACCCCGAAAACGGAAGCGCAGGGAGAAGGAA  
 GAGGTGTTTAAAAGCTTCTCCAGACCAGCTGGTCTTGTCTTGGAGCATCTCTTGGAGCAGAAGACTC  
 TGAGCCCCGAACTCTGCAAAGCCTCCAGAGGACATACCACCTCCAGGATCAGGATGCAGAGTTCCGCCA  
 TCGGTGGTGTGAACCTATTGTTAAGCACAAAGTTCACGAAAGCCTACAAAAGTGTGGAGAGGTTCCCTCAG  
 GAGGATCAGGCCATGGGTGTGTACCTCTACGGGGAGCTGATGGTGAAGTGGAGACGGCAGACAGCAGCAGC  
 TCGCCCGTAGGTGCTTCGAGCGGACCAAGGAGCAGATGGATAGGTCTCAGCCCAGGTGGTGGCCGAAAT  
 GTTATTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC231419 representing NM\_001193329  
Red=Cloning site Green=Tags(s)

MDIQLDPARDDLPLMANTSHILVKHYVLDLVDVFESQVIEGTIVLFLEDGNRFKKQNSSIEEACQSESNK  
ACKFGMPEPCHIPVTNARTFSSEMEYNDFAIKSKGEKDTSDKDGNHDNQEHASGISSSKYCCDTGNHGSE  
DFLLVLDCCDLVSLKVEEVDVAAVPGLEKFTRSPELTVVSEEFRNQIVRELVTLPANRWREQLDYYARCS  
QAPGCGELLFDTDWLSLQIRKTGAQTATDFPHAIRIWIYKTKPEGRSVTWTSDQSGRPCVYTVGSPINNRA  
LFPCQEPVAMSTWQATVRAAASFVVLMSGENSAKPTQLWEECSSWYVVYVTPMPASTFTIIVGCVWTEMK  
METWSSNDLATERPFPSEANFRHVGVC SHMEYPCRFQNASATTQEIIIPHRVFAPVCLTGACQETLLRLI  
PPCLSAAHSVLGAHPFSRLDVLIVPANFPSLGMASPHIMFLSQSILTGGNHLGTRLCHEIAHAWFGLAI  
GARDWTEEWLSEGFATHLEDVFWATAQQLAPYEAREQQELRACLRWRRLQDEMQCSPEEMQVLRPSKDKT  
GHTSDSGASVIKHGLNPEKIFMQVHYLKGYLLRFLAKRLGDETYFSFLRKFVHTFHGQLILSQDFLQML  
LENIPEEKRELSVENIYQDWLESSGIPKPLQRERRAGAECGLARQVRAEVTKWIGVNRPRKRKRREKE  
EVFEKLLPDQLVLLLEHLLLEQKTLSPRTLQSLQRTYHLQDQDAEVRHRWCELIVKHKFTKAYKSVERFLQ  
EDQAMGVVLYGELMVSEDARQQQLARRCFERTKEQMDRSSAQVVAEMLF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001193329

**ORF Size:** 2457 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\\_001193329.1](#), [NP\\_001180258.1](#)

**RefSeq ORF:** 2460 bp

**Locus ID:** 84909

**UniProt ID:** [Q8N6M6](#)

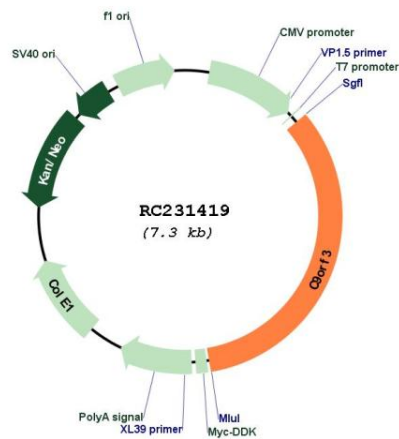
**Cytogenetics:** 9q22.32

**Protein Families:** Protease

**MW:** 94 kDa

**Gene Summary:** This gene encodes a member of the M1 zinc aminopeptidase family. The encoded protein is a zinc-dependent metallopeptidase that catalyzes the removal of an amino acid from the amino terminus of a protein or peptide. This protein may play a role in the generation of angiotensin IV. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2010]

### Product images:



Circular map for RC231419