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Product datasheet for SC126550

AOPEP (NM_032823) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AOPEP (NM_032823) Human Untagged Clone
Tag:	Tag Free
Symbol:	AOPEP
Synonyms:	AP-O; APO; C9orf3; C90RF3; ONPEP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>NCBI ORF sequence for NM_032823, the custom clone sequence may differ by one or more nucleotides

ATGGACATACAGCTGGACCCTGCCAGAGATGACCTGCCTCTCATGGCCAACACCAGCCACATACTTGTGA
AGCACTATGTACTGGATTTGGATGTGGATTTTGAAAGTCAAGTCATTGAGGGGACCATAGTGCTTTTCCT
CGAGGATGGAAACAGATTCAAGAAACAGAATAGCTCTATTGAGGAAGCCTGCCAATCAGAATCAAACAAA
GCCTGCAAATTTGGGATGCCTGAACCCTGCCATATTCCCGTGACAAATGCAAGGACCTTCTCATCTGAAA
TGGAATATAATGATTTTGCAATCTGTAGTAAAGGTGAAAAAGATACTTCTGATAAAGATGGTAACCATGA
CAACCAGGAACATGCTTCTGGGATTTCTAGCTCAAAGTACTGCTGTGACACAGGGAATCATGGGAGTGAG
GATTTTTTGCTAGTGTTGGACTGCTGTGATTTATCTGTGTTAAAAGTCGAGGAGGTGGATGTTGCTGCTG
TGCCAGGTCTGGAAAAATTTACAAGGTCTCCTGAGCTCACGGTTGTTTCTGAGGAGTTCAGGAATCAGAT
TGTACGTGAACTTGTGACTTTGCCTGCAAATCGTTGGAGGGAGCAGTTAGACTATTACGCTCGCTGCAGC
CAGGCTCCTGGCTGTGGGGAACTCCTCTTTGACACTGACACTTGGAGCTTGCAGATAAGGAAGACAGGGG
CTCAGACAGCTACTGACTTTCCTCATGCTATCAGGATATGGTACAAAACTAAACCTGAAGGGCGATCGGT
TACATGGACCTCAGACCAGAGTGGCAGGCCATGTGTTTATACTGTGGGATCTCCCATAAACAACAGGGCC
CTTTTTCCATGCCAGGAGCCACCCGTTGCCATGTCAACATGGCAGGCTACAGTTCGAGCAGCTGCATCTT
TTGTTGTTTTAATGAGTGGGGAAAATTCTGCCAAACCAACGCAGCTTTGGGAAGAGTGCTCAAGCTGGTA
TTACTATGTAACTATGCCAATGCCAGCCTCCACCTTCACAATTGCAGTGGGATGCTGGACAGAAATGAAG
ATGGAGACATGGTCATCAAATGATTTGGCAACAGAGAGACCCTTCTCACCTTCTGAGGCCAACTTCAGGC
ATGTTGGTGTTTGCAGTCACATGGAATACCCCTGCCGCTTCCAGAATGCTTCTGCCACCACCCAGGAGAT
CATTCCTCATCGGGTCTTTGCCCCTGTGTGCCTCACGGGTGCCTGCCAAGAGACCCTTCTGCGGCTGATC
CCTCCTTGCCTCTCAGCAGCACATTCTGTTCTGGGAGCACACCCGTTCTCTCGGCTGGATGTTCTCATCG
TCCCTGCCAACTTTCCAAGTCTGGGGATGGCCAGACCCAGTAAAGACAAAACTGGCCACACAAGTGACTC
GGGAGCATCTGTTATCAAGCATGGACTTAATCCGGAGAAGATCTTCATGCAGGTGCATTATTTAAAGGGC
TACTTCCTTCTTCGGTTTCTTGCCAAAAGACTTGGAGATGAAACCTATTTTTCATTTTTAAGAAAATTTG
TGCACACATTTCATGGACAGCTGATTCTTTCCCAGGATTTCCTTCAAATGCTACTGGAGAACATTCCAGA
AGAAAAAAGGCTTGAGCTGTCTGTTGAAAACATCTACCAAGACTGGCTTGAGAGTTCCGGAATACCAAAG
CCGCTGCAGAGGGAGCGTCGCGCCGGGGCGGAGTGCGGGCTTGCGCGGCAAGTGCGCGCCGAGGTCACGA
AATGGATTGGAGTGAACCGGAGACCCCGAAAACGGAAGCGCAGGGAGAAGGAAGAGGTGTTTGAAAAGCT
TCTTCCAGACCAGCTGGTCTTGCTTCTGGAGCATCTCTTGGAGCAGAAGACTCTGAGCCCCCGAACTCTG
CAAAGCCTCCAGAGGACATACCACCTCCAGGATCAGGATGCAGAGGTTCGCCATCGGTGGTGTGAACTCA
TTGTTAAGCACAAGTTCACGAAAGCCTACAAAAGTGTGGAGAGGTTCCTTCAGGAGGATCAGGCCATGGG
TGTGTACCTCTACGGGGAGCTGATGGTGAGTGAGGACGCCAGACAGCAGCAGCTCGCCCGTAGGTGCTTC
GAGCGGACCAAGGAGCAGATGGATAGGTCCTCAGCCCAGGTGGTGGCCGAAATGTTATTTTAA

Restriction Sites: Please inquire

ACCN: NM_032823

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).

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_032823.3, NP_116212.3
RefSeq Size:	2834 bp
RefSeq ORF:	2163 bp
Locus ID:	84909
UniProt ID:	Q8N6M6
Cytogenetics:	9q22.32
Protein Families:	Protease
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] Transcript Variant: This variant (2) lacks two consecutive in-frame exons in the CDS, as compared to variant 1. The resulting isoform (2) is shorter than isoform 1.