

Product datasheet for **SC110037**

VAPA (NM_194434) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VAPA (NM_194434) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAPA
Synonyms:	hVAP-33; VAMP-A; VAP-33; VAP-A; VAP33
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110037 sequence for NM_194434 edited (data generated by NextGen Sequencing)

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ATGGCGTCCGCTCAGGGGCCATGGCGAAGCACGAGCAGATCCTGGTCCGATCCGCC  
ACAGACCTCAAATTCAAAGGCCCTTCACAGATGTAGTCACTACAAATCTAAATTGCGA  
AATCCATCGGATAGAAAAGTGTGTTCAAAGTGAAGACTACAGCACCTCGCCGGTACTGT  
GTGAGGCCAACAGTGAATTATTGACCCAGGGTCAACTGTGACTGTTTCAGTAATGCTA  
CAGCCCTTGACTATGATCCGAATGAAAAGAGTAAACACAAGTTTATGGTACAGACAATT  
TTTGCTCCACCAAACACTTCAGATATGGAAGCTGTGTGAAAGAGGCAAAACCTGATGAA  
TTAATGGATTCCAAATTGAGATGCGTATTTGAAATGCCCAATGAAAATGATAAATTGAAT  
GATATGGAACCTAGCAAAGCTGTTCCACTGAATGCATCTAAGCAAGATGGACCTATGCCA  
AAACCACACAGTGTTCCTTAATGATACCGAAACAAGGAACTAATGGAAGAGTGTA  
AGACTTCAGGGAGAAATGATGAAGCTATCAGAAGAAAATCGGCACCTGAGAGATGAAGGT  
TTAAGGCTCAGAAAGGTAGCACATTCGGATAAACCTGGATCAACCTCAACTGCATCCTTC  
AGAGATAATGTCACCAGTCTCTTCTTCACTTCTTGTGTAATTGCAGCCATTTTCATT  
GGATTCTTTCTAGGGAAATTCATCTTGTAG
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Clone variation with respect to NM_194434.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_194434 unedited</p> <pre>TGATTTTGTAAATACGACTTCTATAGGGCGGCCGCGCATTCCGGCAGGAGGGTCAGTTGTG GGACCCGGAGCTGCTGACCCAGCGGGTGGCCACCGAACCGGTGACACAGCGGCAGGCCT TAGGGCTCGGGAGCCGCGAGCCTGGCCTCGTCTAGAGCTCGGCCGAGCCGTCCGCCCGC TCGTCCCCCGCCCCAGTCAGCAAACCGCCTTCGCGGGCGCGCCCCCGCTCTGCGCTGTC TCTCCGATGGCGTCCGCCTCAGGGGCCATGGCGAAGCACGAGCAGATCCTGGTCTCGAT CCGCCACAGACCTCAAATTCAAAAGGCCCTTCACAGATGTAGTCACTACAAATCTTAAA TTGCGAAATCCATCGGATAGAAAAGTGTGTTTCAAAGTGAAGACTACAGCACCTCGCCGG TACTGTGTGAGGCCAACAGTGGAAATTATTGACCCAGGGTCAACTGTGACTGTTTCAGTA ATGCTACAGCCCTTTGACTATGATCCGAATGAAAAGAGTAAACACAAGTTTATGGTACAG ACAATTTTGTCCACCAAAACACTTCAGATATGGAAGCTGTGTGGAAAGAGGCAAAACCT GATGAATTAATGGATTCCAAATGAGATGCGTATTTGAAATGCCCAATGAAAATGATAAA TTGAATGATATGGAACCTAGCAAAGCTGTTCCACTGAATGCATCTAAGCAAGATGGACCT ATGCCAAAACACACAGTGTTCCTTAATGATACCCGAACAAGGAACTAATGGAAGAG TGTAAGAACTTCAGGGAGAAATGATGAAGCTATCAGAAAGAAATCCGCCCTGAGAGAT GAAGGCCTAACGCTCANAAAGTAGCACATTCCGATAAACCCGGATCAACCTCACTGCATC TCANAGATATGTCACAGCCCTTCTTACTTCTTGTAATCGCAGCCATTTCTAGAATC CTTCTAG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_194434 unedited</p> <pre>NCCCCCCCCCGACAAACCCACCCCATCCCAATTCNTATTTCTCTAGGACCTCGGN CCGCATNCTANGANCAGATTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCTGGTAACAGTT TTATTTTTTTTTATGTTAAATACCATGGGACAGGATTGAAGGATGAAAACTCAGTCAA CAACTGCCTCACAAAGGATAAAAAAATCTGCCATGATATTAGCAAAGTAAAGGAGGA AAAATTTACACTGTAAGAGGCACCATTTCCCAAGGAATACCTCTTGGCATTTCCTGAAT GAGTGGGATTAGCAATTTAAATAAATCATATTTCAAGAGGTAACAGCACCAGATAAAAT TAAAGGGATTATAAAATAACATTTACAAGACTCTGAACAATCTTGAACCTTATTTAA ACCACAAGAAAGAAACAATTTCTTATTTATGAATTTTATAAAGGACTCAATGTGCAACTG ACATCTGCTAGTGATGATCTGGAAATATACAACCTGTCCAGTAGCCGAACAGTTTGTGTTT TATTGGTTTTTCTAACCGTAAGAGATCATTAAAGGCAAAGCCTATATGACGCTGTACACA CAAAAAAATGGCCACCGTGGCCATACTACCAATGAAATGGTAGGTAACAAATCTTTTTT CTGGACAAGAGACCAAAATAAAAAAGAACCAGACTCTGCATGCTTCACTCTACAAGATGA ATTTCCCTAAAAAGAATCCATGAAAATGGCTGCAATTCACACAATAAGTGAAGGAAGAAG ACTGGCGAACTTATCTCTGAAGGAGCCCTTGAGGTTGACTCCAGTTATCCGAATGGGCTA CCTTTTTGAGCCTAACCTTCTTTTTTCAGGGCCGATTTTTTTTCGGAACTTACTATTTCC CCTGAAGCCTTTCTTCCATTAATTCCTTGTTCGGAATCTTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_194434
Insert Size:	1600 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).
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:	<u>NM_194434.1, NP_919415.1</u>
RefSeq Size:	6383 bp
RefSeq ORF:	729 bp
Locus ID:	9218
UniProt ID:	<u>Q9P0L0</u>
Cytogenetics:	18p11.22
Protein Families:	Transmembrane
Protein Pathways:	Tight junction
Gene Summary:	<p>The protein encoded by this gene is a type IV membrane protein. It is present in the plasma membrane and intracellular vesicles. It may also be associated with the cytoskeleton. This protein may function in vesicle trafficking, membrane fusion, protein complex assembly and cell motility. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.</p>