

Product datasheet for **SC319595**

VAM1 (MPP6) (NM_016447) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VAM1 (MPP6) (NM_016447) Human Untagged Clone
Tag:	Tag Free
Symbol:	VAM1
Synonyms:	p55T; PALS2; VAM-1; VAM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016447.2
 CCGGAGCTGGGGCAGAGTGGGGAGCGAGGGAGGGGGAGGAGAGAGAGGGAGGGCGGAGGGC
 AGTGAGAGACGCATTTCCAGTTCTCAACTACGAGCCACGAGTTTGCAGATGGGGCTGCTC
 GCGGGCGCCTGTGGCTGAGGGAGAGCAGCGGGCGGGGAGCGACCGGGAGCGGGCGGAG
 CGGCGGCGGGAGGGCGCTGAGGTGCGAGCCGCAATGCAGCAAGTCTTGGAAAACCTTAC
 GGAGCTGCCCTCGTCTACTGGAGCAGAAAGAAATAGACCTAATTTTCTCAAGGGAATTAT
 GGAGAATCCTATTGTAAAATCACTTGCTAAGGCTCATGAGAGGCTAGAAGATTCCAAACT
 AGAAGCTGTCAGTGACAATAACTTGAATTAGTCAATGAAATTCTTGAAGACATCACTCC
 TCTAATAAATGTGGATGAAAATGTGGCAGAATTGGTTGGTATACTCAAAGAACCTCACTT
 CCAGTCACTGTTGGAGGCCCATGATATTGTGGCATCAAAGTGTATGATTCACCTCCATC
 AAGCCCAGAAATGAATAATTCTTCTATCAATAATCAGTTATTACCAGTAGATGCCATTGCG
 TATTCTTGGTATTCACAAAAGAGCTGGGAACCACTGGGTGTGACATTTAGGGTTGAAAA
 TAATGATCTGGTAATTGCCCGAATCCTCCATGGGGGAATGATAGATCGACAAGGTCTACT
 TCATGTGGGAGATATAATTAAGAAGTCAATGGCCATGAGGTTGAAAATAATCCAAGGA
 ATTACAAGAATTACTGAAAAATATTAGTGAAGTGTACCCTAAAAATCTTACCAAGTTA
 TAGAGATACCATTACTCCTCAACAGGTATTTGTGAAGTGCATTTTGATTATAATCCATA
 CAATGACAACCTAATACCTTGCAAAGAAGCAGGATTGAAGTTTTCCAAAGGAGAAATTTCT
 TCAGATTGTAATAGAGAAGATCCAAATTTGGTGGCAGGCTAGCCATGTAAAAGAGGGAGG
 AAGCGCTGGTCTCATTCCAAGCCAGTTCCTGGAAGAGAAGAGAAAAGGCATTTGTTAGAAG
 AGACTGGGACAATTCAGGACCTTTTTGTGGAECTATAAGTAGCAAAAAAAGAAAAAGAT
 GATGTATCTCACAAACAGAAATGCAGAAATTTGATCGTCATGAAATCCAGATATATGAGGA
 GGTAGCCAAAAATGCCTCCCTCCAGAGAAAAACATTAGTATTGATAGGAGCTCAAGGTGT
 AGGCCGAAGAAGCTTGAAAAACAGGTTTCATAGTATTGAATCCCCTAGATTTGAACTAC
 GGTGCCATTTACTTCACGGAAACCAAGGGAAGATGAAAAAGATGGCCAGGCATATAAGTT
 TGTGTCCAGTCTGAGATGGAAGCAGATATTAAGCTGGAAGTATTTGGAACATGGGGA
 ATATGAAGGAAATCTCTATGGAACCAAAATTTGATTCTATTCTTGAGGTTGTCCAACTGG
 ACGGACTTGCAATCTGGATGTCAACCCACAAGCACTGAAAGTATTGAGGACATCAGAGTT
 TATGCCCTATGTGGTATTTATTGCGGCTCCGGAGCTAGAGACGTTACGTGCCATGCACAA
 GGCTGTGGTGGATGCAGGAATCACTACCAAGCTTCTGACCGACTCTGACTGAAGAAAAC
 AGTGGATGAAAGTGCACGGATTGAGAGCATAACAACCACTATTTTATTGATTCATCAT
 AAATGATAATCTAGACAAAGCCTTTGAAAACTGCAAACTGCCATAGAGAACTGAGAAT
 GGAACCACAGTGGTCCCAATCAGCTGGGTTTACTGATGATTGAGTAAAGTTAACAAATGA
 AAATTAAACTCTTAAAAAGTGAAGTCAACAAATAAACCTTCTACTGAGAAAATACATCAC
 AGATAGAAGATTATCTGCTAAGTCCAGGCATTTTATGGTGTAGATTGAAATAATAGTAC
 ACTTCTGAATTTTATATAAAATGTGGTTGGAAGGTGACTAATATAATTTATCTTAA
 TTTTCTAACTTTGTATGGATAATCTTTCTATTTCATATACATAAAGAAATGCCTTGAAG
 CAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_016447

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:	<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_016447.2 , NP_057531.2
RefSeq Size:	2201 bp
RefSeq ORF:	1623 bp
Locus ID:	51678
UniProt ID:	Q9NZW5
Cytogenetics:	7p15.3
Domains:	SH3, PDZ, L27, Guanylate_kin, GuKc
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Gene Summary:	<p>Members of the peripheral membrane-associated guanylate kinase (MAGUK) family function in tumor suppression and receptor clustering by forming multiprotein complexes containing distinct sets of transmembrane, cytoskeletal, and cytoplasmic signaling proteins. All MAGUKs contain a PDZ-SH3-GUK core and are divided into 4 subfamilies, DLG-like (see DLG1; MIM 601014), ZO1-like (see TJP1; MIM 601009), p55-like (see MPP1; MIM 305360), and LIN2-like (see CASK; MIM 300172), based on their size and the presence of additional domains. MPP6 is a member of the p55-like MAGUK subfamily (Tseng et al., 2001 [PubMed 11311936]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>