

## Product datasheet for **SC336695**

### VAM1 (MPP6) (NM\_001303037) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** VAM1 (MPP6) (NM\_001303037) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** MPP6  
**Synonyms:** p55T; PALS2; VAM-1; VAM1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC336695 representing NM\_001303037.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

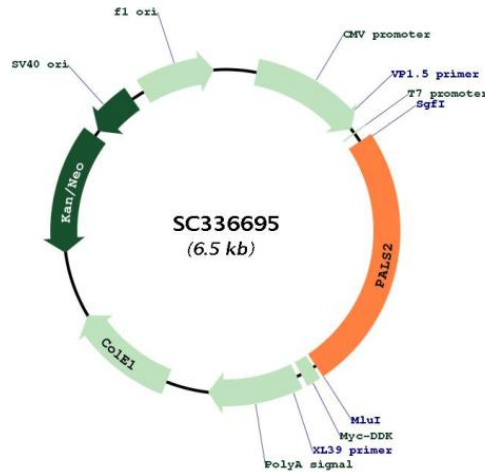
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```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001303037

**Insert Size:** 1623 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:**

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\\_001303037.1](#)

**RefSeq Size:** 7972 bp

**RefSeq ORF:** 1623 bp

**Locus ID:** 51678

**UniProt ID:** [Q9NZW5](#)

**Cytogenetics:** 7p15.3

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**MW:** 61.1 kDa

**Gene Summary:** 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]

Transcript Variant: This variant (2) lacks an exon in the 5' UTR compared to variant 1. 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.