

## Product datasheet for RC205667L4

### VAM1 (MPP6) (NM\_016447) Human Tagged Lenti ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VAM1 (MPP6) (NM_016447) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	VAM1
Synonyms:	p55T; PALS2; VAM-1; VAM1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205667).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF.

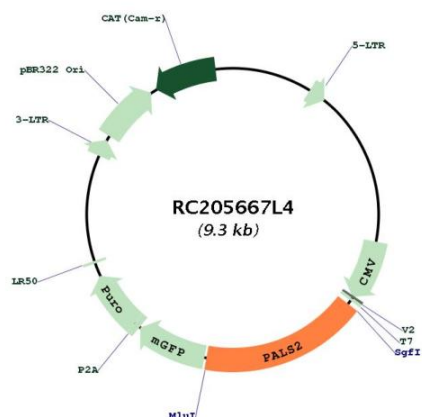
ACCN:	NM_016447
ORF Size:	1620 bp



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<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_016447.2</a> , <a href="#">NP_057531.2</a>
<b>RefSeq Size:</b>	2201 bp
<b>RefSeq ORF:</b>	1623 bp
<b>Locus ID:</b>	51678
<b>UniProt ID:</b>	<a href="#">Q9NZW5</a>
<b>Cytogenetics:</b>	7p15.3
<b>Domains:</b>	SH3, PDZ, L27, Guanylate_kin, GuKc
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>MW:</b>	61.1 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC205667L4