

Product datasheet for **SC321881**

PLVAP (NM_031310) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLVAP (NM_031310) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLVAP
Synonyms:	DIAR10; FELS; gp68; PV-1; PV1
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_031310.1
 CCGACGCGTGGGCGGACGCGTGGGTGAGCAGGGACGGTGCACCGGACGGCGGGATCGAGC
 AAATGGGTCTGGCCATGGAGCACGGAGGGTCTACGCTCGGGCGGGGGCAGCTCTCGGG
 GCTGCTGGTATTACCTGCGCTACTTCTTCTCTTCGTCTCCCTCATCAAATTCCTCATCA
 TCCTGGGGCTCGTGCTTTCATGGTCTATGGCAACGTGCACGTGAGCACAGAGTCCAACC
 GCCAGGCCACCGAGCGCCGAGCCGAGGGCTATACAGTCAGCTCCTAGGGCTCACGGCT
 CCCAGTCCAACCTTGACCAAGGAGCTCAACTTACCACCCCGCCCAAGGATGCCATCATGC
 AGATGTGGCTGAATGCTCGCCGCGACCTGGACCGCATCAATGCCAGCTTCGCGCCAGTGCC
 AGGGTGACCGGGTCATCTACACGAACAATCAGAGGTACATGGCTGCCATCATCTTGAGTG
 AGAAGCAATGCAGAGATCAATTCAGGACATGAACAAGAGCTGCGATGCCTTGCTCTTCA
 TGCTGAATCAGAAGGTGAAGACGCTGGAGGTGGAGATAGCCAAGGAGAAGACCATTTGCA
 CTAAGGATAAGGAAAGCGTGTCTGCTGAACAAACGCGTGGCGGAGGAACAGCTGGTTGAAT
 GCGTGAAAACCCGGGAGCTGCAGCACCAAGAGCGCCAGCTGGCCAAGGAGCAACTGCAAA
 AGGTGCAAGCCCTCTGCCTGCCCTGGACAAGGACAAGTTTGAGATGGACCTTCGTAACC
 TGTGGAGGGACTCCATTATCCCACGCGAGCTGGACAACCTGGGTTACAACCTCTACCATC
 CCCTGGGCTCGGAATTGGCTCCATCCGAGAGCCTGCGACCACATGCCAGCCTCATGA
 GCTCCAAGGTGGAGGAGCTGGCCCGGAGCTCCGGGCGGATATCGAACCGGTGGCCCGCG
 AGAACTCAGACCTCCAACGCCAGAAGCTGGAAGCCAGCAGGGCCTGCGGGCCAGTCAGG
 AGGCGAAACAGAAGGTGGAGAAGGAGGCTCAGGCCCGGGAGGCCAAGCTCCAAGCTGAAT
 GCTCCCGGACAGCCAGCTAGCGCTGGAGGAGAAGGCGGTGCTGCGGAAGGAACGAGACA
 ACCTGGCCAAGGAGCTGGAAGAGAAGAAGAGGGAGGCGGAGCAGCTCAGGATGGAGCTGG
 CCATCAGAACTCAGCCCTGGACACCTGCATCAAGACCAAGTCGCAGCCGATGATGCCAG
 TGTC AAGGCCCATGGGCCCTGTCCCCAACCCCCAGCCCATCGACCCAGCTAGCCTGGAGG
 AGTTCAAGAGGAAGATCCTGGAGTCCCAGAGGCCCCCTGCAGGCATCCCTGTAGCCCAT
 CCAAGTGGCTGAGGAGGCTCCAGGCTGAGGACCAAGGGATGGCCCGACTCGGCGGTTTGC
 GGAGGATGCAGGGATATGCTCACAGCGCCGACACAACCCCTCCCGCCGCCCAACCA
 CCCAGGGCCACCATCAGACAACCTCCCTGCATGCAAACCCCTAGTACCCTCTCACACCCGC
 ACCCGCGCTCACGATCCCTCACCCAGAGCACACGCGCGGAGATGACGTCACGCAAGC
 AACGGCGTGACGTCACATATCACCGTGGTGTGGCGTCACGTGGCCATGTAGACGTCAC
 GAAGAGATATAGCGATGGCGTCGTGCAGATGCAGCACGTGCACACAGACATGGGAACT
 TGGCATGACGTCACACCGAGATGCAGCAACGACGTCACGGCCATGTCGACGTCACACAT
 ATTAATGTACACAGACGCGCGATGGCATCACACAGACGGTGTGATGTACACACAGA
 CACAGTGACAACACACACCATGACAACGACACCTATAGATATGGCACCAACATCAGATGC
 ACGCATGCCCTTTCACACACACTTTCTACCCAATTCTCACCTAGTGTACGTTCCCCCGA
 CCCTGGCACACGGGCCAAGGTACCCACAGGATCCCATCCCCTCCCGCACAGCCCTGGGCC
 CCAGCACCTCCCCTCCTCAGCTTCTGGCCTCCCAGCCACTTCTCACCCCCAGTGCCT
 GGACCCGGAGGTGAGAACAGGAAGCCATTACCTCCGCTCCTTGAGCGTGAGTGTTCCTCA
 GGACCCCTCGGGGCCCTGAGCCGGGGTGAGGGTCACCTGTTGTGGGAGGGGAGCCAC
 TCCTTCTCCCCAACTCCCAGCCCTGCCTGTGGCCGTTGAAATGTTGGTGGCACTTAAT
 AAATATTAGTAAATCCTTAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_031310

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_031310.1 , NP_112600.1
RefSeq Size:	2317 bp
RefSeq ORF:	1329 bp
Locus ID:	83483
UniProt ID:	Q9BX97
Cytogenetics:	19p13.11
Protein Families:	Transmembrane
Gene Summary:	Endothelial cell-specific membrane protein involved in the formation of the diaphragms that bridge endothelial fenestrae. It is also required for the formation of stomata of caveolae and transendothelial channels. Functions in microvascular permeability, endothelial fenestrae contributing to the passage of water and solutes and regulating transcellular versus paracellular flow in different organs. Plays a specific role in embryonic development. [UniProtKB/Swiss-Prot Function]