

Product datasheet for **SC319138**

PMVK (NM_006556) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PMVK (NM_006556) Human Untagged Clone
Tag: Tag Free
Symbol: PMVK
Synonyms: HUMPMKI; PMK; PMKA; PMKASE; POROK1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006556.3
 GAAGGTTCTGGGCGGGCTGGACTGTTCTAAGTGAGTTCGGGTGGGGGAGCTTCACGAGG
 GGAGGCTGCTCTGTGAAGGAACCGCTTCTCTCCGCGTGTCTCACCTTTTCTCCCAT
 ATCTGTTTGACATGAGCTGAGGGCACGGTCGCGGGCGGTGAGCCCTGTTTCGCAGCTACG
 GCGAGGAGGGGCGGATTGTTCTTGTGCGGCTCCGCTTAGTGCCGCGTCCATTCCGC
 GCGGTGTCCGATTTTAGGGTAGGAGAAGTGTGAGTTCAGGCATCGCGAGGCGTGGC
 GGCCCATGGCCCGCTGGGAGGCGCCCGCGGCTGGTACTGCTGTTGAGCGCAAGAGG
 AAATCCGGGAAGGACTTCGTGACCGAGGCGCTGCAGAGCAGACTTGGAGCTGATGTCTGT
 GCTGTCTCCGGCTCTCTGGTCCACTCAAGGAACAGTATGCTCAGGAGCATGGCTTGAAC
 TTCCAGAGACTCCTGGACACCAGCACCTACAAGGAGGCCCTTCGGAAGGACATGATCCGC
 TGGGGAGAGGAGAAACGCCAGGCTGACCCAGGCTTCTTTGACAGGAAGATTGTGGAGGGC
 ATCTCCAGCCATCTGGCTGGTGAAGTACACACGGAGAGTGTCTGACATCCAGTGGTTT
 CCGGAGGCCTATGGGGCGGTGACGACAGCGGTCCGCGTTGTAGCGTTGGAGCAGAGCCGA
 CAGCAGCGGGGCTGGGTGTTACGCCAGGGGTGGACGATGCTGAGTCAGAATGTGGCCTG
 GACAACCTCGGGGACTTTGACTGGGTGATCGAGAACCATGGAGTTGAACAGCGCCTGGAG
 GAGCAGTTGGAGAACCTGATAGAATTTATCCGCTCCAGACTTTAGTCACTAGGTTCTAGG
 AGTGAGCTGGGGCCTGCTGAGGTGGGGTGGGGCTGACTCTGCAAAATGGGGGTGTCCC
 CGATCCTGGCCGAGGTGAGGAACAGACAGGGGGGTCTAGATTCTGAGGGGTTGGTGA
 TATTGGCAAGGCAGGAAACCTCTGGAGACCTCATTTTCTCCATGGGGAAGACAGCCATG
 CTCTTCAGGAGGAGACTCCAAGGCAAAAGGAGGGTGTCTTGGCTGTGCTTGAAGCGAAA
 CCCTGCCATATCCCAAGTCCAGTCCCTCAGCCTGTGGTGGCCTTGCATCCTGACTGGA
 TGTTCTCAGCCCTTGTCTGGGCAAGAACCAGAGCTCCCAAGTGTGGATACTAATAAA
 CCTCTTGGAGCACACTCTCAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAACCTCGGG

Restriction Sites: Please inquire



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ACCN:	NM_006556
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:	<u>NM_006556.3</u> , <u>NP_006547.1</u>
RefSeq Size:	1307 bp
RefSeq ORF:	579 bp
Locus ID:	10654
UniProt ID:	<u>Q15126</u>
Cytogenetics:	1q21.3
Domains:	P-mevalo_kinase
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Terpenoid backbone biosynthesis
Gene Summary:	<p>This gene encodes a peroxisomal enzyme that is a member of the galactokinase, homoserine kinase, mevalonate kinase, and phosphomevalonate kinase (GHMP) family of ATP-dependent enzymes. The encoded protein catalyzes the conversion of mevalonate 5-phosphate to mevalonate 5-diphosphate, which is the fifth step in the mevalonate pathway of isoprenoid biosynthesis. Mutations in this gene are linked to certain types of porokeratosis including disseminated superficial porokeratosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2017]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>