

Product datasheet for **SC121597**

VKORC1L1 (NM_173517) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: VKORC1L1 (NM_173517) Human Untagged Clone
Tag: Tag Free
Symbol: VKORC1L1
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None

Fully Sequenced ORF: >OriGene ORF sequence for NM_173517 edited
 ATGGCGGCTCCCGTCTGCTAAGAGTGTGGTCCCGGGTGGGAGCGGGTGGCCCGGTAT
 GCAGTGTGCGCTGCCGAATCCTGCTCTCCATCTACGCCTACCACGTGGAGCGGGAGAAG
 GAGCGGGACCCCGAGCACCGGGCCCTCTGCGACCTGGGGCCCTGGGTGAAGTGTCCGCC
 GCCCTTGCTCCAGATGGGGTTCGAGGATTTGGTCTTTGGGTTCCATTTTGGAAAGGAT
 GGTGTATTAACAGCAAAACAGTGTCTTTGGACTTATATTTTATACTACAGTTATTA
 CTTGGCATGACAGCAAGCGCTGTGGCGGCTTTGATCCTCATGACGTCCTCCATCATGTGC
 GTCGTGGGGTCCCTGTACCTGGCCTACATTCTGTACTTTGTGCTGAAGGAGTTCTGCATC
 ATCTGCATCGTACGTACGTGCTGAACCTCCTTCTCATTATCAACTACAAACGACTA
 GTTTACTTGAACGAGGCTGGAAGCGGCAGCTGCAACCCAAGCAGGACTGA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_173517 unedited
 TCCTATAGGGCGGCCGGAATTCGCACGAGGCGGCGGCGGAAGATGGCGGCTCCCGTCC
 TGCTAAGAGTGTGGTCCCGGGTGGGAGCGGGTGGCCCGGTATGCAGTGTGCGTGGCG
 GAATCCTGCTCTCCATCTACGCCTACCACGTGGAGCGGGAGAAGGAGCGGGACCCCGAGC
 ACCGGGCCCTCTGCGACCTGGGGCCCTGGGTGAAGTGTCCCGCCCTTGCTCCAGAT
 GGGGTTCGAGGATTTGGTCTTTGGGTTCCATTTTGGAAAGGATGGTGTATTAACAGC
 CAAACAGTGTCTTTGGACTTATATTTTATACTACAGTTATTACTTGGCATGACAGCAA
 GCGCTGTGGCGGCTTTGATCCTCATGACGTCCTCCATCATGTGGTGGTGGGTCCTGT
 ACCTGGCCTACATTCTGTACTTTGTGCTGAAGGAGTTCTGCATCATCTGCATCGTACGT
 ACGTGTGAACCTCCTTCTCATTATCAACTACAAACGACTAGTTTACTTGAACGAGG
 CCTGGAAGCGGCAGCTGCAACCCAAGCAGGACTGACGCCGACAGACTCCACCCTAACAG
 TCTCAAGCCCCTTTCCATTGATTTATTTGCANGCAGGTTTNNATTATTATTATTATT
 ATTATTATTCACACAGACTTTTCTAGAACTANACTGATTTTAAAATCGGTATTTAA
 AAAGGGCCTCGTTTTCTGGGGGCGAGCCTTTTAAATTTGATACAAAAGGATACGCG
 AGCCATCAAGACAGCTTACTTCTTTNAAAAGTTTTGAATGAAAAAAGAACCTAGCC
 CCTGCCTCATGGGAAGAGCACCATGTAGATTTTATGC

Restriction Sites: NotI-NotI
ACCN: NM_173517



[View online »](#)

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:	<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_173517.3 , NP_775788.2
RefSeq Size:	1148 bp
RefSeq ORF:	531 bp
Locus ID:	154807
UniProt ID:	Q8N0U8
Cytogenetics:	7q11.21
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes an enzyme important in the vitamin K cycle, which is involved in the carboxylation of glutamate residues present in vitamin K-dependent proteins. The encoded enzyme catalyzes the de-epoxidation of vitamin K 2,3-epoxide. Oxidative stress may upregulate expression of this gene and the encoded protein may protect cells and membrane proteins from oxidative damage. This gene and a related gene (Gene ID: 79001) may have arisen by gene duplication of an ancestral gene. [provided by RefSeq, Oct 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript but encodes the shorter isoform (1). 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>