

Product datasheet for **SC126201**

VKORC1L1 (BC014249) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VKORC1L1 (BC014249) Human Untagged Clone
Tag:	Tag Free
Symbol:	VKORC1L1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC014249 edited
AATGACTCAACTCCCACAACAAGGCACATCCTTTGTGAAATTTGAGAATGCCAGATTA
AAAGAAGATTCTTAGAGCAGAAACAGGTCACATTCGAAGCTCAGAATAGCATCAGAAAT
TCAAGAACCACCTCTGAACGCAGGATGGTGAAGAGTATCTTTAAAAATGTTGAGGGATT
TGTGGCCTTCAGTGCTGCCAAGGAAGCATCATTCAAGCCTCTCTCCACTGTGGGCATG
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TTGAAACAGCCGAGTCCGGGGAGCCCTTCTGAACCATGGGGAATGCTCATGACTGTGG
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AGAGAGCTGTCTGAAGAGAAGATTCTCAAAGACTGGGTGCCCATGTGACTGTGAAAAAGA
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AGGATAGGAAAATTGAAGTGATTGAAATCACAACACTGACTGAGGCAGTGGCAAGAAAAGG
TCTTTGCTTTTAAACCTTTGATGACCACGACTCCGTGGATAAGATTGTCATTAGAAAT
ACTATCCTGTAATGGCCACGGCTGTGAAGTAAGGAAAGTCCAGGTTGCAGCAAGACATG
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AGAAATGGAAGACACCAATATAAGAAATGGAAGATTCAGTGTGGGAAGAGATTGGAAG
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GCTCCAGGAAGGCAAGGGCTCCAAGAGAGATGTCTTCAGAGAAAGATGCAAAATCATAGAT
TCCTTCACATGGTTGATCTTGTTTAAAGTATTGCTCAGAAGGGGTTGAGAAGACCAATAA
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GGAAAATTGCTTGAGACTGGGAGGTGGAGGTTGCAATGAGTGCAGATTGCACCACCTGCAC
TCTAACATTATTGACAGAGTGAGACCCCGTCTCAAAAAAAAAAAAAAAAAAAAA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC014249 unedited NCCCGGTCGAATTTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGNAATG GGACTCAACTCCCACAACAAGGCACATCCTTTGTGAAATTTGAGAATGCCCAGATTA AGAAGATTCTTAGAGCAGAAACAGGTCACATTCGAAGCTCAGAATAGCATCAGAATTTTC AAGAACCACCTCTGAACGCAGGATGGTGGAAAGATATCTTTAAAAATGTTGAGGGATTTG TGGCCTTCAGTGCTGCCAAGGAAGCATCATTCAAGCCTCTCTCCCACTGTGGGCATGTC TAAACCAGAGTCTCCTAAAGAGCCCGAACAGCTGTGGAAGCCTTGAAACAGCGAAGCCTT GAAACAGCCGAGTCCGGGGAGCCCTTCTGAACCATGGGGAATGCTCATGACTGTGTGGTC CTAGACCCAGACTCCAAGCACTCCGGGGCTTTGGTTGGTCATCTGCCACTGTGGAGGA GATGGATGCAGCCATGAATCAGGGCCACACCAGGTGGTTGGAAGAGCTGTGGAACCTCAG AGAGCTGTCTGAAGAGAAGATTCTCAAAGACTGGGTGCCCATGTGACTGTGAAAAGATA TTTGTGGTGGCATTAAACAGGACACCGAAGAACATCACGTAAGAGATTATTTGTACAG GATAGGAAAATTGAAGTGATTGANATCACAAGTACTGAGGCAGTGGCAAGAAAAGGGTC TTTGCTTTTATAACCTTTGATGACCACGACTCCGTGGATAAGATTGTCATTCAGAAATAC TATCCTGGTAATGCCACGGCTGTGAAGTAAGGGAAAGTCCAGTTGCAGNCAGACATGGG CTGGTGGCTCATCCAGCCAAAGAAGTAAAGGGTCTGGGAAGTGGTGGTGGTCNTGGNA GTGATTTGGTTGGAAGTGAC
Restriction Sites:	Please inquire
ACCN:	BC014249
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:	BC014249.2
RefSeq Size:	2631 bp
Locus ID:	154807
Cytogenetics:	7q11.21
Protein Families:	Transmembrane

Gene Summary:

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]