

Product datasheet for SC334192

VKORC1L1 (NM_001284342) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VKORC1L1 (NM_001284342) Human Untagged Clone
Tag:	Tag Free
Symbol:	VKORC1L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001284342, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCTCCCGTCTGCTAAGAGTGTCGGTGCCGCGGTGGGAGCGGGTGGCCCGGTATGCAGTGTGCG
 CTGCCGGAATCTGCTCTCCATCTACGCCCTACCACGTGGAGCGGGAGAAGGAGCGGGACCCGAGCACCG
 GGCCCTCTGCGACCTGGGGCCCTGGGTGAAGTGCTCCGCCGCCCTTGCTCCAGGCATGACAGCAAGCGC
 TGTGGCGGCTTTGATCCTCATGACGTCTCCATCATGTCGGTCGTGGGGTCCCTGTACCTGGCCTACATT
 CTGTACTTTGTGCTGAAGGAGTTCTGCATCATCTGCATCGTCACGTACGTGCTGAACCTCCTTCTCTCA
 TTATCAACTACAAAGACTAGTTTACTTGAACGAGGCCTGGAAGCGGCAGCTGCAACCCAAGCAGGACTG
 ACGCCCGACAGACTCCACCCTAACAGTCTCAAGCCCCTTCCATTCAAGTTATTTTGCAGCAGGTTTTTA
 TTATTATTATTATTATTATTATTCACAACAGACACTTCCCTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001284342
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).


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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_001284342.1, NP_001271271.1</u>
RefSeq Size:	5803 bp
RefSeq ORF:	534 bp
Locus ID:	154807
UniProt ID:	<u>Q8N0U8</u>
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 (2) lacks an in-frame exon in the central coding region compared to variant 1. The encoded isoform (2) is shorter than longer and has a distinct C-terminus compared to 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>