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Product datasheet for MC225802

Vkorc1l1 (NM_001286382) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vkorc1l1 (NM_001286382) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Vkorc1l1
Synonyms:	2310024K08Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC225802 representing NM_001286382
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCGCCCGTCCTGCTGAGAGTGTCGGTGCCGCGTTGGGAACGGGTGGCCCGATGGGGTCGAGGAT
TTGGTCTTTTGGGTTCCATTTTTGGAAAAGATGGTGTATTAAACCAGCCAAACAGTGTCTTTGGACTTAT
ATTTTATATACTACAGTTATTACTTGGCATGACAGCCAGCGCAGTTGCAGCTCTGGTCCTCATGACCTCC
TCCATTGTGTCTGTGGTGGGCTCTTTGTACCTGGCCTACATTCTGTACTTTGTGCTGAAAGAGTTTTGCA
TCATCTGCGTCACCACATATGTGCTGAACTTCCTCCTCCTCATCATCAATTACAAACGACTAGTTTATTT
GAATGAGGCCTGGAAGCGACAGCTGCAGCCTAAGGAAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001286382
Insert Size:	393 bp
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).

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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	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_001286382.1, NP_001273311.1
RefSeq Size:	4797 bp
RefSeq ORF:	393 bp
Locus ID:	69568
Cytogenetics:	5 G1.3
Gene Summary:	Involved in vitamin K metabolism. Can reduce inactive vitamin K 2,3-epoxide to active vitamin K (in vitro), and may contribute to vitamin K-mediated protection against oxidative stress. Plays a role in vitamin K-dependent gamma-carboxylation of Glu residues in target proteins. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 3, which is shorter than isoform 1.

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