

Product datasheet for **RN214136**

Vkorc111 (NM_203338) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vkorc111 (NM_203338) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Vkorc111
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214136 representing NM_203338 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCGGGCCCGTCTGCTGAGAGTGTCCGGTCCCGGGTGGGAACGGGTGGCCCGGTATGCAGTGTGCC
CCGCCGGATCCTGCTCTCCATCTACGCCTACCACGTGGAGCGGGAGAAGGAGAGGGACCCGGAGCACCG
GGCCCTCTGCACCTGGGGCCCTGGGTGAAGTGTCCGCCGCCCTGGCCTCCAGATGGGGTTCGAGGATTT
GGTCTTTTGGGTTCCATTTTGGAAAAGATGGTGTATTAACAGCCAAACAGTGTCTTTGGACTTATAT
TTTATATACTACAGTTATTACTTGGCATGACAGCCAGCGAGTTGCAGCTCTGGTCTCATGACCTCCTC
CATCGTGTCCGTGGTGGGTCTTTGTACCTGGCCTACATTCTGTACTTTGTGCTGAAGGAGTTTTGCATC
ATCTGCGTCACCACATATGTGCTGAACCTCCTTCTCCTCATCATCAACTACAAACGACTGGTTTACTTGA
ATGAGGCCTGGAAGCGACAACCTGCAGCCTAAGGAAGACTGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_203338
Insert Size:	531 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).
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:

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_203338.1](#), [NP_976083.1](#)

RefSeq Size: 1031 bp

RefSeq ORF: 531 bp

Locus ID: 399684

UniProt ID: [Q6TEK3](#)

Cytogenetics: 12q12-q13

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]