

Recombinant Mouse Vkorc1 Protein, Myc/DDK-tagged

Cat. No. Vkorc1-6925M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse vitamin K epoxide reductase complex, subunit 1 (Vkorc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Vitamin K is essential for blood clotting but must be enzymatically activated. This enzymatically activated form of vitamin K is a reduced form required for the carboxylation of glutamic acid residues in some blood-clotting proteins. The product of this gene encodes the enzyme that is responsible for reducing vitamin K 2,3-epoxide to the enzymatically activated form. Fatal bleeding can be caused by vitamin K deficiency and by the vitamin K antagonist warfarin, and it is the product of this gene that is sensitive to warfarin. In humans, mutations in this gene can be associated with deficiencies in vitamin-K-dependent clotting factors and, in humans and rats, with warfarin resistance. [provided by RefSeq, Jul 2008]
Molecular Mass	17.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Vkorc1](#) vitamin K epoxide reductase complex, subunit 1 [[Mus musculus \(house mouse\)](#)]

Official Symbol [Vkorc1](#)

Synonyms VKORC1; vitamin K epoxide reductase complex, subunit 1; vitamin K epoxide reductase complex subunit 1; phyloquinone epoxide reductase; vitamin K1 2,3-epoxide reductase subunit 1; vitamin K1 epoxide reductase (warfarin-sensitive); D7Wsu86e

Gene ID [27973](#)

mRNA Refseq [NM_178600](#)

Protein Refseq [NP_848715](#)

UniProt ID [Q9CRC0](#)

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