

Product datasheet for TP501263

Vkorc1 (NM_178600) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse vitamin K epoxide reductase complex, subunit 1 (Vkorc1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201263 protein sequence Red =Cloning site Green =Tags(s) MGTTWRSPLVRLALCLAGLALSLYALHVKAARARDENYRALCDVGTALSCSRVFSSRWGRGFGLVEHML GADSVLNQNSIFGCLFYTLQLLGCLRGRWASILLVSSLVSVAGSVYLAWILFFVLYDFCIVCITYA INVGLMLLSFQKVPEHKTKKH TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	17.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_848715
Locus ID:	27973
UniProt ID:	Q9CRC0
RefSeq Size:	764
Cytogenetics:	7 69.81 cM


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RefSeq ORF: 483

Synonyms: D7Wsu86; D7Wsu86e

Summary: 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]