

Recombinant Human VKORC1-GFP Protein (S3-E155), C-10×His-tagged

Cat. No. VKORC1-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human sfGFP(M1-N144)-VKOR1(S3-E155)-sfGFP(N146-T230)-10His was expressed in mammalian cells.
Species	Human
Source	Mammalian Cells
ProteinLength	S3-E155
Description	This gene encodes the catalytic subunit of the vitamin K epoxide reductase complex, which is responsible for the reduction of inactive vitamin K 2,3-epoxide to active vitamin K in the endoplasmic reticulum membrane. Vitamin K is a required co-factor for carboxylation of glutamic acid residues by vitamin K-dependent gamma-carboxylase in blood-clotting enzymes. Allelic variation in this gene is associated with vitamin k-dependent clotting factors combined deficiency of 2, and increased resistance or sensitivity to warfarin, an inhibitor of vitamin K epoxide reductase. Pseudogenes of this gene are located on chromosomes 1 and X. Alternative splicing results in multiple transcript variants.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	20 mM HEPES pH 7.5, 150 mM NaCl, 0.02%(w/v) LMNG
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	VKORC1 vitamin K epoxide reductase complex, subunit 1 [Homo sapiens (human)]
Official Symbol	VKORC1
Synonyms	VKORC1; vitamin K epoxide reductase complex, subunit 1; vitamin K dependent clotting factors deficiency 2 , VKCFD2; vitamin K epoxide reductase complex subunit 1; phyloquinone epoxide reductase; vitamin K1 2,3-epoxide reductase subunit 1; vitamin K dependent clotting factors deficiency 2; vitamin K1 epoxide reductase (warfarin-sensitive); VKOR; MST134; MST576; VKCFD2; EDTP308; IMAGE3455200; MGC2694; FLJ00289;
Gene ID	79001
mRNA Refseq	NM_024006
Protein Refseq	NP_076869
MIM	608547

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UniProt ID

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