

Recombinant Human GGCX

Cat. No. GGCX-29018TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 533-629 of Human GGCX with an N terminal proprietary tag; Predicted MWt 36.3 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	97 amino acids
Description	This gene encodes an enzyme which catalyzes the posttranslational modification of vitamin K-dependent protein. Many of these vitamin K-dependent proteins are involved in coagulation so the function of the encoded enzyme is essential for hemostasis. Mutations in this gene are associated with vitamin K-dependent coagulation defect and PXE-like disorder with multiple coagulation factor deficiency. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	36.300kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids ADFPGLHLENFVSEDLGNTSIQLLQGEVTVLVAEQKNQTLREGEKMQLPAGEYHK
VYTTSPSPSCYMYVYVNTTELALEQDLAYLQELKEKVENGS

Sequence Similarities Belongs to the vitamin K-dependent gamma-carboxylase family.

GENE INFORMATION

Gene Name [GGCX gamma-glutamyl carboxylase \[Homo sapiens \]](#)

Official Symbol [GGCX](#)

Synonyms GGCX; gamma-glutamyl carboxylase; vitamin K-dependent gamma-carboxylase; vitamin K dependent gamma carboxylase; VKCFD1;

Gene ID [2677](#)

mRNA Refseq [NM_000821](#)

Protein Refseq [NP_000812](#)

MIM [137167](#)

Uniprot ID [P38435](#)

Chromosome Location 2p12

Pathway Gamma-carboxylation of protein precursors, organism-specific biosystem; Gamma-carboxylation, transport, and amino-terminal cleavage of proteins, organism-specific

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biosystem; Metabolism of proteins, organism-specific biosystem; Post-translational modification: gamma carboxylation and hypusine formation, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem;

Function

gamma-glutamyl carboxylase activity; lyase activity;

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