

# Recombinant Full Length Human Vitamin K-Dependent Gamma-Carboxylase(Ggcx) Protein, His-Tagged

Cat. No. RFL10648HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human Vitamin K-dependent gamma-carboxylase(GGCX) Protein (P38435) (2-758aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length of Mature Protein (2-758)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>AVSAGSARTSPSSDKVQKDKAELISGPRQDSRIGKLLGFEWTDLSSWRRLVTLNRP            PTDPASLAVFRFLFGFLMVLDPQERGLSSLDKRYLDGLDVCRFPLLDALRPLPLDW            MYLVYTIMFLGALGMMMLGLCYRISCVLFLLPYWYVFLDKTSWNNHSYLYGLLAFQL            TFMDANHYWSVDGLLNAHRRNAHVPLWNYAVLRGQIFIVYFIAGVKKLDADWVEGY            SMEYLSRHWFSPFKLLLSEELTSLLVVHWGGLLLDLSAGFLFFDVSRSIGLFFVSY            FHCMNSQLFSIGMFSYVMLASSPLFCSPWPRKLVSYCPRRLLQQLLPLKAAPQPSV            SCVYKRSRSGKSGQKPLRHLGAAFTLLYLLQLFLPYSHFLTQGYNNWTNGLYGY            SWDMMVHSRSHQHVKITYRDGRTGELGYLNPVFTQSRRWKDHADMLKQYATCL            SRRLLPKYNVTEPQIYFDIWVSINDRFQQRIFDPRVDIVQAAWSPFQRTSWVQPLMD            LSPWRAKLQEIKSSLDNHTVVFIADFPGLHLENFVSEDLGNTSIQLLQGEVTVELVA            EQKNQTLREGEKMQLPAGEYHKVYTTSPSPSCYMYVYVNTTELALQDLAYLQELK            EKVENGSETGPLPELQPLLEGEVKGGPEPTPLVQTFLRRQQRLQEIERRRNTPFH</p>

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ERFFRFLLRKLYVFRRSFLMTCISLRNLILGRPSLEQLAQEVTYANLRPF EAVGELNP  
SNTDSSHSNPPESENPDVHSEF

**Purity** Greater than 90% as determined by SDS-PAGE.

**Applications** SDS-PAGE

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name** GGCX

**Synonyms** GGCX; GC; Vitamin K-dependent gamma-carboxylase; Gamma-glutamyl carboxylase; Peptidyl-glutamate 4-carboxylase; Vitamin K gamma glutamyl carboxylase

**UniProt ID** [P38435](https://www.uniprot.org/entry/P38435)

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