

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

**Cat. No.** RFL745PF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <b>Product Overview</b> | Recombinant Full Length Pongo abelii Vitamin K-dependent gamma-carboxylase(GGCX) Protein (Q5RF50) (2-758aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Pongo Abelii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Full Length of Mature Protein (2-758)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | AVSARSARTSPGSDKVQKDKAELISGPRQDSL MGKLLGFEWTDLSSWRRLVTLNLR<br>PTDP ASLAVFRFLFGFLMVLDIPQERGLSSLDRKYLDGLDVCRFPLLDALRPLPLDW<br>MYLVYTI MFLGALGMMLGLCYRISCVLFLLPYWYVFLLDKTSWNNHSYLYGLLAFQL<br>TFMDANHYWS VDGLLNARRRNAHVPLWNYAVLRGQIFIVYFIAGVKKLDADWVEGY<br>SMEYLSRHWLFSPF KLLLSEELTSLLVVHWGGLLLDLSAGFLLFFDASRSIGLFFVS<br>Y FHCMNSQLFSIGMFSY VMLASSPLFCSPWPRKLVSYPQRLQELLPLKAAPQPSV<br>SCVYKRSRGKSGQKPGLRHQ LGAAFTLLYLLEQLFLPYSHFLTQGYNNWTNGLYG<br>YSWDMMVHSRSHQHVKITYRDGRGTG ELGYLNPVGFTQSRRWKDHADMLKQYATC<br>LSRLLPKYNVTEPQIYFDIWSINDRFQQRIFDPRVDIVQAAWSPFQRTSWVQPLLM<br>DLSPWRAKLQEIKSSLDNHTVEVFIADFPGLHLE NFVSEDLGNTSIQLLQGEVTVELV<br>AEQKNQTLREGEKMQLPAGEYHKVYTTSPSPSCYMY VYVNTTELALEQDLAYLQEL |

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KEKVENGSETGPLPPELQPLLEGEVKGGPEPTPLVQTFLR RQQRLQEIERRRNTPF  
HERFFRFLLRKLYVFRRSFLMTCISLRNLILGRPSLEQLAQEVT YANLRPFQVGEELS  
PSNMDSSHSNPPESENPDVHSEF

**Purity** Greater than 90% as determined by 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 mutiple 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; Vitamin K-dependent gamma-carboxylase; Gamma-glutamyl carboxylase; Peptidyl-glutamate 4-carboxylase; Vitamin K gamma glutamyl carboxylase

**UniProt ID** [Q5RF50](#)

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