

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

Cat. No. RFL4633OF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Sheep Vitamin K-dependent gamma-carboxylase(GGCX) Protein (Q9GL59) (2-758aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Sheep
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-758)
Form	Lyophilized powder
AA Sequence	AVSARPARAPRGPDVKVKDKAAQTSQPRQGSQMKGKLLGFEWTDVSSWERLVTLN RPTDP ASLAVFRFLFGLMMVLDIPQERGLSSLDRLRYLDGLEVCRFPLLDALQPLPLD WMYLVYTI MFLGALGMMMLGLCYRISCVLFLLPYWYVFLLDKTSWNNHSYLYGLLAF QLTFVDAHYYWS VDGLLRARKRNAHVPLWNYAVLRGQIFIVYFIAGIKKLDADWVE GYSMEYLSRHWLFSPF KLVLSEEMTSLLVVHWCGLLLDLSAGFLLFFDASRPIGFVF VSYFHCMNSQLFSIGMFPY VMLASSPLFCSPFWPRKLVAHCPKKLQELLPLRTAPQ PSTSCMYKRSRARGSQKPGLRHQ LSTAFTLLYLLEQLFLPYSHFLTQGYNNWTNGL YGYSWDMMVHSRSHQHVKITRDRGTG ELGYLNPGVFTQSRRWKDHADMLKQY ATCLSRLLPKYNTVTEPQIYFDIWSINDRFQQRI FDPVRDIVQAASWPFQRTPLWLQP LLMDLSPWRTKLQEIKSSLDNHTVVFIADFPGLHLE NFVSEDLGNTSIQLLQGEVTV ELVAEQKNQTLQEGEKMQLPAGEYHKVYTVSSSPSCYMY IYVNTTEVALEQDLAYL QELKEKVENGSETGPLPPELQPLLEGEVKGGPEPTPLVQTFLR RQQLQEIERRN

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	APFYERFVRFLLRKLFIFRRSFLMTCISLRNLALGRPSLEQLAQEVT YANLRPFEPAG EPSPVNTDSSNPNPPEPDSHPVHSEF
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	Q9GL59