

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

Cat. No. RFL25508RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Vitamin K-dependent gamma-carboxylase(Ggcx) Protein (O88496) (2-758aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length of Mature Protein (2-758)
Form	Lyophilized powder
AA Sequence	AVHRGSARAAPASDKVQKNKPAQTSGLEQGSRMARIFGF EWADLSSWQSVVTLN RPTDP ANLAVFRFLFAFLMLLDIPQERGLSSLDRKYLDGLDVCRFPLLDALRPLPLD WMYLVYTI MFLGALGMMMLGLWYRLSCMLFLLPYWYVFLLDKTSWNNHSYLYGLLA FQLTFMDANHYWS VDGLLSAQKKNAHVPLWNYTVLRGQIFIVYFIAGVKKLDADWV EGYSMEHL SRHWLFSPF KLVLSEELTSLLVVHWCGLLLDLSAGFLLFFDASRPGLV FVSYFHC MNSQLFSIGMFPY VMLASSPLFCSAEWPRKLVARCPKRLQELLPAKAAP RPSASCVYKRARAKAGQKPGLRHH LGTVFTLLYLLEQLFLPYSHFLTQGYNNWTNG LYGYSWDMMVHSRSHQHV KITYRDGLTG ELGYLNP GVFTQSRRWKDHADMLKQY ATCLSLLL PKYNVTEPQIYFDI WVSINDRFQQR LFDPRVDIVQAVWSPFR RTPWVQP LLMDLSPWRTKLQDIKSSLDNHTEVVFIADFPGLHLE NFVSEDLGNTSIQLLQGEVTV ELVAEQKNQTLREGEKMQLPAGEYHKVYTVSSSPSCYMY IYVNTTEVALEQDLAYL QELKEKVENGSETGPLPPELQPLLEGEVKGGPEPTPLVQTFLR RQRKLQEIERRN

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	SPLHERFLRFVLRKLYVFRRSFLMTRISLRNLLFGRPSLEQLAQEVT YANLRPFEPV DESSASNTDSSDPHPSEPDSEHVHSEL
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 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	O88496

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