

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

Cat. No. RFL36284MF Lot. No. (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Mouse Vitamin K-dependent gamma-carboxylase(Ggcx) Protein (Q9QYC7) (2-757aa), fused to N-terminal His tag, was expressed in E. coli.

Species

Mus musculus

Source

E.coli

ProteinLength

Full Length of Mature Protein (2-757)

Form

Lyophilized powder

AA Sequence

AVHRGSALVAPASDKVQKNKSAQTSGLKQGSRMEKILGFEWTDLSSWQSVVTLN
 KPTDP ANLAVFRFLFAFLMLLDIPQERGLSSLDKRYLDGLDVCRFPLLDALRPLPLD
 WMYLVYTI MFLGALGMMLGLCYRLSCVLFLLPYWYVFLDKTSWNNHSYLYGLLAF
 QLTFMDANHYWS VDGLLNARKKNAHVPLWNYTVLRGQIFIVYFIAGVKKLDADWVG
 GYSMEHLRSHWLFSPF KLVLSEELTSLLVHWCGLLLDLSAGFLLFFDASRPVGLFF
 VSYFHCMNSQLFSIGMFPY VMLASSPLFCSAEWPRKLVARCPKRLQELLPTKAAPR
 PSASCVYKRSRGKAGPKPLRHQ LGAIFTLTYLLEQLFLPYSHFLTQGYNNWTNGL
 YGYSWDMMVHSRSHQHVKITYRDGLTG ELGYLNPGVFTQSRRWKDHADMLKQYA
 TCLSLLLPKYNVTEPQIYFDIWSINDRFQQL FDPVDIVQAVWSPFQRTPWVQPL
 LMDLSPWRTKLQDIKSSLDNHTEVVFIADFPGLHLE NFVSEDLGNTSIQLLQGEVTV
 ELVAEQKNQTLQEGEKMQLPAGEYHKVYTVSSSPSCYMY VYVNTTEVALEQDLAY
 LQELKEKVENGSETGPLPELQPLLEGEVKGGPEPTPLVQTFLR RQRKLQEIERR

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NSPFHERFLRFVLRKLYVFRRSFLMTRISLRNLLLGRPSLEQLAQEVT YANLRPFEP
VDESSASNTDSSNHPSEPDSEHVHSEF

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 [Q9QYC7](#)

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