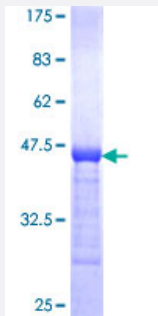


GGCX (Human) Recombinant Protein (Q01)

Catalog # H00002677-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human GGCX partial ORF (NP_000812, 533 a.a. - 629 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ADFPGLHLENFVSEDLGNTSIQLLQGEVTVELVAEQKNQTLREGEKMQLPAGEYHKVYTTSPSPSCYMYVYVNTTELALEQDLAYLQELKEKVENG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — GGCX

Entrez GeneID	2677
GeneBank Accession#	NM_000821
Protein Accession#	NP_000812
Gene Name	GGCX
Gene Alias	FLJ26629, VKCFD1
Gene Description	gamma-glutamyl carboxylase
Omim ID	137167 277450 610842
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an enzyme which catalyzes the posttranslational modification of vitamin K-dependent protein. Many of these vitamin K-dependent proteins are involved in coagulation so the function of the encoded enzyme is essential for hemostasis. Mutations in this gene are associated with vitamin K-dependent coagulation defect and PXE-like disorder with multiple coagulation factor deficiency. Multiple transcript variants encoding different isoforms have been found for this gene
Other Designations	vitamin K-dependent gamma-carboxylase

Disease

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- [Cardiovascular Diseases](#)
- [Cerebrovascular Accident](#)

- [Diabetes Mellitus](#)
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- [Genetic Predisposition to Disease](#)
- [Hemorrhage](#)
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