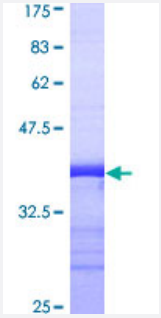
FGG (Human) Recombinant Protein (Q01)

Catalog # H00002266-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FGG partial ORF (AAH07044, 31 a.a. - 130 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	RDNCCILDERFGSYCPTTCGIADFLSTYQTKVDKDLQSLEDILHQVENKTSEVKQLIKAIQLTYNPDESSKPNMIDAATLKSRKMLEEIMKYEASILTHD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (73); Rat (71)
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 — FGG

Entrez GeneID	2266
GeneBank Accession#	BC007044
Protein Accession#	AAH07044
Gene Name	FGG
Gene Alias	-
Gene Description	fibrinogen gamma chain
Omim ID	134850
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the gamma component of fibrinogen, a blood-borne glycoprotein comprised of three pairs of nonidentical polypeptide chains. Following vascular injury, fibrinogen is cleaved by thrombin to form fibrin which is the most abundant component of blood clots. In addition, various cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, display vasoconstrictor and chemotactic activities, and are mitogens for several cell types. Mutations in this gene lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	fibrinogen, gamma chain|fibrinogen, gamma polypeptide

Pathway

- Complement and coagulation cascades

Disease

- Alzheimer disease
- Aortic Diseases
- Atherosclerosis
- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Cerebral Hemorrhage
- Coronary Artery Disease
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hemophilia A
- Hypertension
- Inflammation
- Ischemia
- Ischemic Attack
- Kidney Failure
- Lymphoma
- Macular Degeneration
- Metabolic Syndrome X
- Myocardial Infarction

- Neoplasms
- Osteoporosis
- Stroke
- Thromboembolism
- Thrombosis
- Vascular Diseases
- Venous Thrombosis