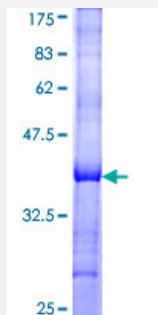


FGB (Human) Recombinant Protein (Q01)

Catalog # H00002244-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human FGB partial ORF (NP_005132, 392 a.a. - 491 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GENRTMTIHNGMFFSTYDRDNDGWLTSDPRKQCSKEDGGGWWYNRCHAANPNGRYYWGGQYT WDMAKHGTDDGVVWMNWKGSWYSMRKMSMKIRPFFPQQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (94); Rat (93)
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 — FGB

Entrez GeneID [2244](#)

GeneBank Accession# [NM_005141](#)

Protein Accession# [NP_005132](#)

Gene Name FGB

Gene Alias MGC104327, MGC120405

Gene Description fibrinogen beta chain

Omim ID [134830](#) [202400](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is the beta 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 afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency. [provided by RefSeq]

Other Designations fibrinogen, B beta polypeptide|fibrinogen, beta chain

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Aggressive Periodontitis](#)
- [Albuminuria](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [beta-Thalassemia](#)
- [Blood Coagulation Disorders](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)

- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Critical Illness](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Fetal Death](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)

- [Glomerulonephritis](#)
- [Hemophilia A](#)
- [Hemorrhage](#)
- [Hepatic Vein Thrombosis](#)
- [Hypercholesterolemia](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Infertility](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Ischemia](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Legg-Perthes Disease](#)
- [Lupus Nephritis](#)
- [Macular Degeneration](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mitral Valve Stenosis](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)

- [Periodontal Attachment Loss](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Renal Insufficiency](#)
- [Retinal Vein Occlusion](#)
- [Sepsis](#)
- [Shock](#)
- [Stroke](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Thrombotic Microangiopathies](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)