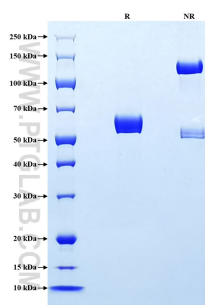


Recombinant Mouse Fibrinogen gamma chain protein (rFc Tag)

Catalog Number: Eg1837

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/ µg protein, LAL method Source: HEK293-derived Mouse Fibrinogen gamma chain protein Val168-Val436 (Accession# Q8VCM7) with a rabbit IgG Fc tag at the C-terminus. GeneID: 99571 Accession: Q8VCM7 Predicted Molecular Mass: 56.7 kDa SDS-PAGE: 55-65 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Fibrinogen is a soluble plasma glycoprotein synthesized in the liver. It is composed of two sets of three structurally different subunits: alpha (FGA), beta (FGB), gamma (FGG). Fibrinogen is converted by thrombin into fibrin during blood coagulation. Fibrinogen and fibrin play overlapping roles in blood clotting, fibrinolysis, cellular and matrix interactions, the inflammatory response, wound healing, and neoplasia. FGG is the gamma chain of fibrinogen. Mutations in the gene of FGG lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia.		
References	<ol style="list-style-type: none">1.Nencini, F. et al. (2024) Mol Biomed. 5(1):45.2.Dobson, DA.et al. (2024) Thromb res. 242:109134.3.Huang, Y. et al. (2024) Int j biol macromol. 274(Pt 1):133286.4.Mosesson, MW. et al. (2005) J Thromb Haemost. 3(8):1894-904.5.Personnaz, J. et al. (2024) Hemasphere. 8(7):e115.		
Synonyms	Fgg, Fibrinogen gamma chain		

Selected Validation Data



Purity of Recombinant Mouse Fibrinogen gamma chain was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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