

FGA, FGB, FBG Native Human Fibrinogen

Catalog No.	CSI14125	Quantity:	1.0 g
Alternate Names:	Fibrinogen alpha chain, Fibrinogen beta chain, Fibrinogen gamma chain		
Description:	<p>Fibrinogen, also called Factor I, is the principal protein of vertebrate blood clotting forming a hexamer containing two sets of three different chains (alpha, beta, and gamma), linked to each other by disulfide bonds. The N-terminal sections of these three chains contain the Cysteines that participate in the cross-linking of the chains. The C-terminal parts of the alpha, beta and gamma chains contain a domain of about 225 amino acid residues, which can function as a molecular recognition unit, engage in protein-protein interactions, and bind carbohydrates. On the fibrinogen alpha and beta chains, there is a small peptide sequence (called a fibrinopeptide) that prevents fibrinogen from spontaneously forming polymers with itself. Fibrinogen is the precursor of Fibrin. Fibrin, also called Factor Ia, is a fibrous protein involved in the clotting of blood, and is non globular.</p>		
Concentration:	approximately 40 mg/mL, lot specific		
UniProt ID:	P02671, P02675, P02679		
Source:	Human Plasma		
Formulation:	20 mM sodium citrate-HCl, pH 7.4		
Purity:	Homogeneous by SDS-PAGE and 100% clottable Plasminogen has been depleted by affinity chromatography		
Handling/Thawing:	To thaw, warm to 37°C to assure complete protein solubility. Once thawed do not chill. Mix gently to homogeneity. Remaining product should be stored as single-use aliquots and stored at -80°C.		
Storage & Stability:	Upon receipt, store at -80°C. On initial thawing, prepare aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		
Biohazard:	Purified from human plasma which tested negative against anti-HIV1/2, anti-HLTV I and II, anti-HCV, HbsAg, Syphilis, HBS Ab, HIV-1 p24 Ag or HIV-1 RNA, HCV RNA, and HBV RNA. Donors also screened for Creutzfeldt-Jakob Disease.		

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