

## FGA, FGB, FGG Native Porcine Fibrinogen

<b>Catalog No.</b>	CSI20069A CSI20069B	<b>Quantity:</b>	25 mg 100 mg
<b>Alternate Names:</b>	Factor I		
<b>Description:</b>	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. Fibrinogen is 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.		
<b>UniProt ID:</b>	P14460, F1RX37, F1RX35		
<b>Gene ID:</b>	100514666, 100514354, 403164		
<b>Source:</b>	Porcine plasma, fresh not frozen		
<b>Molecular Weight:</b>	330 kDa		
<b>Formulation:</b>	Frozen Liquid in 0.02 M Sodium Citrate-HCl pH 7.4		
<b>Purity:</b>	>95% by SDS-PAGE analysis Plasminogen depleted by Lysine Affinity Chromatography		
<b>Concentration:</b>	≥ 1.0 mg/ml, lot specific		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280nm} = 1.51$		
<b>Handling:</b>	Thaw in a 37°C water bath without agitation until completely liquid, then gently mix before use. Keep fibrinogen at 25-37°C, aliquot and flash freeze unused portion.		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.