

Recombinant Pig FGB Protein, His-tagged

Cat. No. FGB-927P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Pig FGB Protein (Thr197-Gln495) with His tag was expressed in E. coli.
Species	Pig
Source	E.coli
ProteinLength	Thr197-Gln495
Description	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. Fibrinogen serves key roles in hemostasis and antimicrobial host defense. Mutations in this gene lead to several disorders, including afibrinogenemia, dysfibrinogenemia, hypodysfibrinogenemia and thrombotic tendency.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.9 kDa; Accurate Molecular Mass: 42 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	FGB fibrinogen beta chain [<i>Sus scrofa</i> (pig)]
Official Symbol	FGB
Synonyms	FGB; fibrinogen beta chain;
Gene ID	100514354
mRNA Refseq	NM_001244113
Protein Refseq	NP_001231042
UniProt ID	F1RX37

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