Fibrinogen (FGG) FITC Labeled Bovine Protein

PRODUCT OVERVIEW

Product Name	Fibrinogen (FGG), Protein
Full Product Name	FITC Labeled Bovine Fibrinogen
Product Gene Name	FGG protein
Product Synonym Names	Bovine Fibrinogen, FITC Labeled
Purity/Purification	> 95% by SDS-PAGE analysis
Concentration	11.1 mg/mL (lot specific)
Preparation and Storage	At -70 degree C, Protect from light. Shipping: Ships on Dry Ice
Molecular Weight	330 kDa
3D Structure	ModBase 3D Structure for P12799
Storage Buffer	0.02M Sodium citrate-HCL, pH 7.4
Related Product Information for FGG protein	**Description:** FITC labeled bovine fibrinogen. Prepared from fresh bovine plasma. Plasminogen has been depleted by lysine affinity chromatography. Thaw vial at 37 degree C without shaking. Mix gently before using.
Other Notes	Small volumes of FGG protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FGG purchase	MBS480597 is a protein targeting FGG. Also known as FITC Labeled Bovine Fibrinogen.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FGG. It may not necessarily be applicable to this product.

NCBI GI #	350
NCBI GeneID	280792
NCBI Accession #	CAA33562.1
UniProt Primary Accession #	P12799
UniProt Related Accession #	P12799
NCBI Official Full Name	fibrinogen
NCBI Official Symbol	FGG
UniProt Protein Name	Fibrinogen gamma-B chain
Protein Family	Fibrinogen
UniProt Gene Name	FGG
UniProt Synonym Gene Names	Gamma'
UniProt Entry Name	FIBG_BOVIN
NCBI Protein Information	fibrinogen gamma-B chain; fibrinogen, gamma polypeptide; gamma'

UniProt Comments for FGG	Together with fibrinogen alpha (FGA) and fibrinogen beta (FGB), polymerizes to form an insoluble fibrin matrix. Has a major function in hemostasis as one of the primary components of blood clots. In addition, functions during the early stages of wound repair to stabilize the lesion and guide cell migration during re-epithelialization. Was originally thought to be essential for platelet aggregation, based on in vitro studies using anticoagulated blood. However, subsequent studies have shown that it is not absolutely required for thrombus formation in vivo. Enhances expression of SELP in activated platelets via an ITGB3-dependent pathway. Maternal fibrinogen is essential for successful pregnancy. Fibrin deposition is also associated with infection, where it protects against IFNG-mediated hemorrhage. May also facilitate the antibacterial immune response via both innate and T-cell mediated pathways.
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