9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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FGG Human

Fibrinogen Gamma Chain Human Recombinant
RCP0851

Product Overview

Name	FGG Human
Description	
Fibrinogen Gamma Chain Human Recombinant	
Accession (Primary)	P02679
Synonyms	
Fibrinogen gamma chain isoform gamma-A, Fibrinogen gamma chain, PRO2061.	
Introduction	
Fibrinogen gamma chain isoform gamma-A (FGG) is the gamma component of fibrinogen, which is a blood-borne glycoprotein, comprised of 3 pairs of nonidentical polypeptide chains. FGG along with fibrinogen alpha (FGA) and fibrinogen beta (FGB) polymerizes to form an insoluble fibrin matrix. Following vascular injury, FGG is cleaved by thrombin to create fibrin, which is the most abundant component of blood clots. FGG functions during the early stages of wound repair to stabilize the lesion and guide cell migration during re-epithelialization. Moreover, different cleavage products of fibrinogen and fibrin regulate cell adhesion and spreading, exhibit vasoconstrictor and chemotactic activities, and are mitogens for a number of cell types. Maternal fibrinogen is vital for successful pregnancy. FGG gene mutations lead to some disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia. Fibrin accumulation is also linked with infection, where it protects against IFNG-mediated hemorrhage.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
FGG protein solution (0.5mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MGS YVATRDN CCILDERFGS YCPTTCGIAD FLSTYQTKVD KDLQSLEDIL HQVENKTSEV KQLIKAIQLT YNPDESSKPN MIDAATLKSR KMLEEIMKYE ASILTHDSSI RYLQEIYNSN NQKIVNLKEK VAQLEAQCQE PCKDTVQIHD ITGKDCQDIA NKGAKQSGLY FIKPLKANQQ FLVYCEIDGS GNGWTVFQKR LDGSVDFKKN WIQYKEGFGH LSPTGTTEFW LGNEKIHLIS TQSAIPYALR VELEDWNGRT STADYAMFKV GPEADKYRLT YAYFAGGDAG DAFDGFDFGD DPSDKFFTSH NGMQFSTWDN DNDKFEGNCA EQDGSGWWMN KCHAGHLNGV YYQGGTYSKA STPNGYDNGI IWATWKTRWY SMKKTTMKII PFNRLTIGEG QQHHLGGAKQ AGDV.

Precautions

FGG Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02679)