
Product Data Sheet

Product Name: FGL1 Human

Cat. No.: GP23494

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Fibrinogen-like protein 1; HP-041; Hepassocin; Hepatocyte-derived fibrinogen-related protein 1; HFREP-1; Liver fibrinogen-related protein 1; LFIRE-1; FGL1; HFREP1.		
Amino Acid Sequence	MKHHHHHHAS LEDCAQEQMR LRAQVRLLET RVKQQQVKIK QLLQENEVQF LDKGDENTVI DLGSKRQYAD CSEIFNDGYK LSGFYKIKPL QSPAEFVSVYC DMSDGGGWTV IQRRSDGSEN FNRGWKDYEN GFGNFVQKHG EYWLGKKNLH FLTTQEDYTL KIDLADFEKN SRYAQYKNFK VGDEKNFYEL NIGEYSGTAG DSLAGNFHPE VQWWASHQRM KFSTWDRDHD NYEGNCAEED QSGWWFNRCH SANLNGVYYS GPYAKTDNG IVWYTWHGWW YSLKSVVMKI RPNDFIPNVI.		
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. FGL1 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.		
Formulation	FGL1 filtered (0.4 μ m) and lyophilized from 0.5mg/ml in in 100 mM carbonate buffer, pH 9.2.		

Introduction

FGL1 belongs to the fibrinogen family. Fibrinogen Like 1 is homologous to the carboxy terminus of the fibrinogen beta- and gamma- subunits which comprises the 4 conserved cysteines of fibrinogens and fibrinogen related proteins. FGL1 lacks the platelet-binding site, cross-linking region and a thrombin-sensitive site which are necessary for fibrin clot formation. Fibrinogen takes part in the development of hepatocellular carcinomas.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Store lyophilized protein at -20°C . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C .

Background

FGL1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 23-312) containing 300 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 35.3kDa (calculated).

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