

Active Recombinant Human FGL1 Protein, HlgG1 Fc-Avi-tagged, Biotinylated

Cat. No. FGL1-119HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human FGL1 Protein (Leu23-Ile312) is produced by HEK293 Cells expression system. This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag (Avitag™).
Species	Human
Source	HEK293
ProteinLength	Leu23-Ile312
Description	Fibrinogen-like protein 1(FGL1) is also known as HP-041, Hepassocin, HFREP-1, LFIRE-1. The protective effect of fibrinogen-like protein 1 (FGL1) in liver injury has previously been reported. However, studies have shown that FGL1 may be a predictor of GC patients and a target for GC therapy. Immunocytochemical studies revealed that fgl1 selectively binds to defective spermatozoa in the cauda epididymidis. Northern blot analysis and in situ hybridization demonstrated the high expression of fgl1 in the principal cells of the proximal cauda epididymidis. Immunofluorescence analysis using mouse fibrotic lung tissues suggested that fibrotic regions showed increased expressions of Gtse1 and Fgl1, Gtse1 and Fgl1 are suggested to be novel targets for radiation-induced lung fibrosis.
Predicted N Terminal	Leu 23
Form	Lyophilized from 0.22

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	µm filtered solution in 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH7.5, 10% trehalose.
Bio-activity	Immobilized Human LAG-3, Mouse IgG2a Fc tag at 10 µg/mL (100 µL/well) can bind Biotinylated Human FGL1, Fc,Avitag with a linear range of 0.156-1.25 µg/mL.
Molecular Mass	The protein has a calculated MW of 62.3 kDa. The protein migrates as 65 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg by the LAL method.
Purity	> 95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	FGL1 fibrinogen-like 1 [Homo sapiens]
Official Symbol	FGL1
Synonyms	FGL1; fibrinogen-like 1; HFREP 1; hepassocin; HFREP1; HP-041; LFIRE1; LFIRE-1;

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MGC12455;

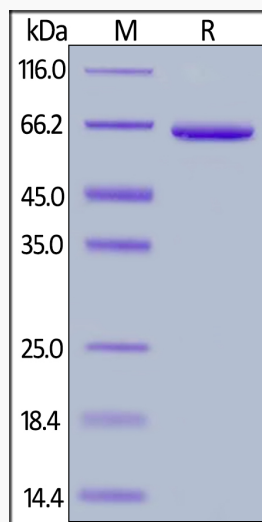
Gene ID 2267

mRNA Refseq NM_004467

Protein Refseq NP_004458

MIM 605776

UniProt ID Q08830



Biotinylated Human FGL1, Fc,Avitag on SDS-PAGE under reducing (R) condition.
The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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