

Datasheet for ABIN6923181

FGL1 Protein (AA 23-312) (AVI tag,Fc Tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µg
Target:	FGL1
Protein Characteristics:	AA 23-312
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FGL1 protein is labelled with AVI tag,Fc Tag,Biotin.

Product Details

Sequence:	AA 23-312
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	FGL1
Alternative Name:	FGL1 (FGL1 Products)
Background:	Fibrinogen-like protein 1(FGL1) is also known as HP-041, Hepassocin, HFREP-1, LFIRE-1. The

Target Details

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.

Molecular Weight: 62.1 kDa

NCBI Accession: [NP_004458](#)

Application Details

Comment: Ready-to-use AvitagTM biotinylated protein:
The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

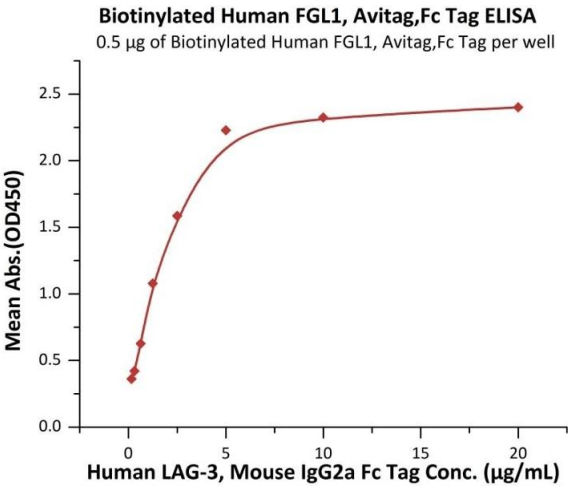
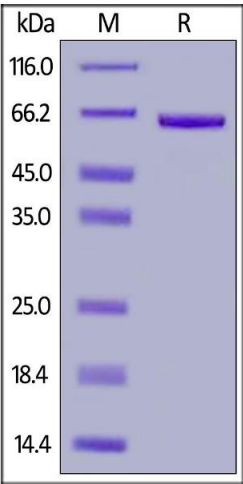
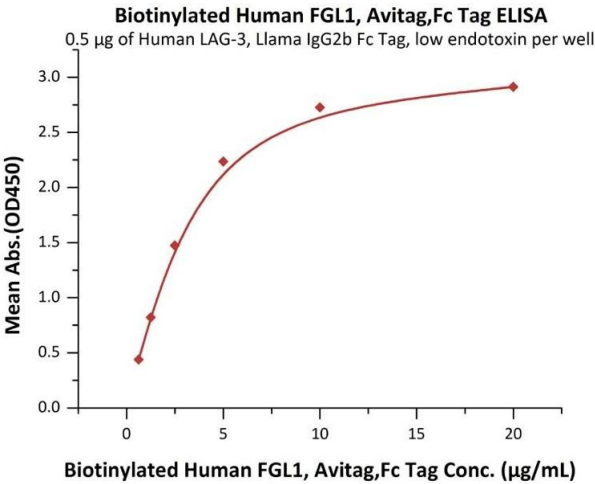
Handling

Format: Lyophilized

Buffer: Tris with Glycine, Arginine and NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



ELISA

Image 1. Immobilized Human LAG-3, Llama IgG2b Fc Tag, low endotoxin (ABIN5954961,ABIN6253552) at 5 µg/mL (100 µL/well) can bind Biotinylated Human FGL1, Avitag,Fc Tag (ABIN6923181,ABIN6938831) with a linear range of 0.156-5 µg/mL (QC tested).

SDS-PAGE

Image 2. Biotinylated Human FGL1, Avitag,Fc Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .

ELISA

Image 3. Immobilized Biotinylated Human FGL1, Avitag,Fc Tag (ABIN6923181,ABIN6938831) at 5 µg/mL (100 µ L/well)on streptavidin (2 µg/well) plate. can bind Human LAG-3, Mouse IgG2a Fc Tag (ABIN5674633,ABIN6253716) with a linear range of 0.156-2.5 µg/mL (Routinely tested).