

# Biotinylated Human FGL1 Protein

Cat. No. FGL-HM411B

## Description

<b>Source</b>	Recombinant Biotinylated Human FGL1 Protein is expressed from HEK293 with His tag and Avi tag at the N-Terminus. It contains Asp64-Asn305.
<b>Accession</b>	Q08830
<b>Molecular Weight</b>	The protein has a predicted MW of 31.9 kDa same as Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

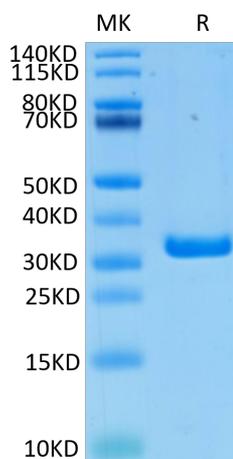
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Fibrinogen-like protein 1 (FGL-1) is a protein that is structurally related to fibrinogen. In humans, FLG-1 is encoded by the FGL1 gene. Fibrinogen-like protein 1 is a member of the fibrinogen family of proteins, which also includes fibrinogen, fibrinogen-like protein 2, and clotting factors V, VIII, and XIII. Fibrinogen-like Protein 1 is a major immune inhibitory ligand of LAG-3.

## Assay Data

### Tris-Bis PAGE

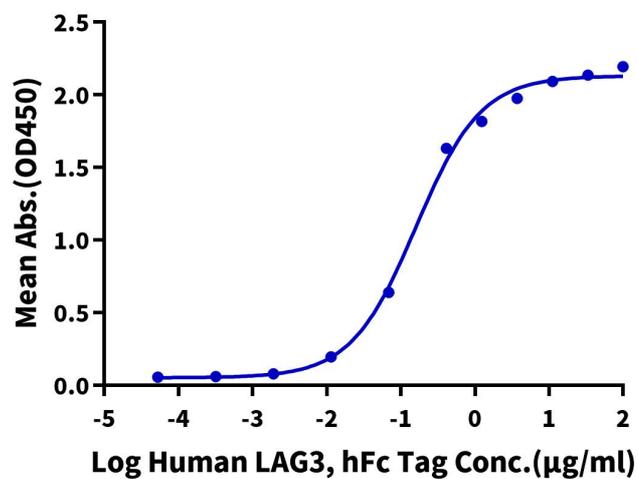


Biotinylated Human FGL1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%..

### ELISA Data

**Biotinylated Human FGL1, His Tag ELISA**

0.1µg Biotinylated Human FGL1, His Tag Per Well



Immobilized Biotinylated Human FGL1, His Tag at 1µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Human LAG3, hFc Tag with the EC<sub>50</sub> of 0.16µg/ml determined by ELISA.