

# Cynomolgus FGL1 Protein

Cat. No. FGL-CM211



## Description

<b>Source</b>	Recombinant Cynomolgus FGL1 Protein is expressed from HEK293 with hFc at the N-Terminus. It contains Leu23-Ile312.
<b>Accession</b>	G7N0K6-1
<b>Molecular Weight</b>	The protein has a predicted MW of 55.5 kDa. Due to glycosylation, the protein migrates to 62-68 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

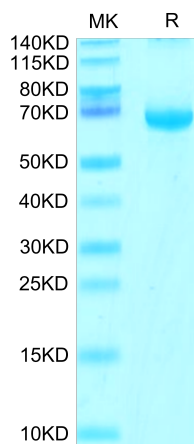
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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.

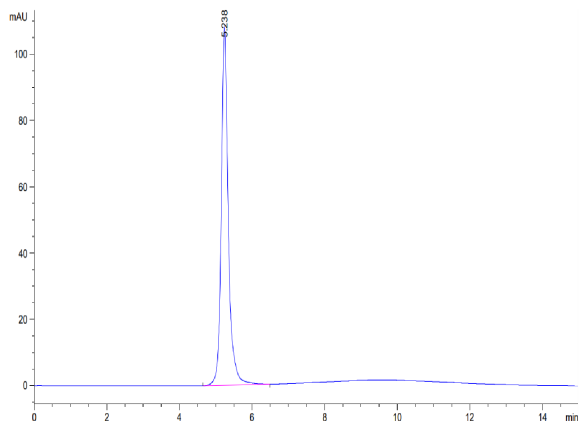
## Assay Data

### Bis-Tris PAGE



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

### SEC-HPLC



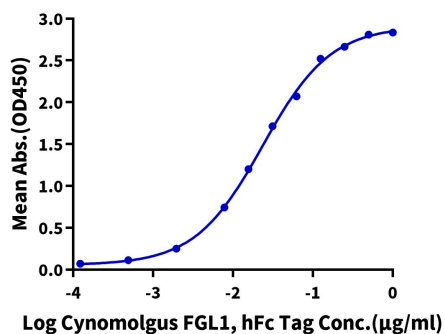
The purity of Cynomolgus FGL1 is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Cynomolgus FGL1, hFc Tag ELISA**

0.5µg Human LAG3, His Tag Per Well



Immobilized Human LAG3, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Cynomolgus FGL1, hFc Tag with the EC50 of 23.6ng/ml determined by ELISA (QC Test).