

Human FGL1 Protein

Cat. No. FGL-HM211

Description

Source	Recombinant Human FGL1 Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Asp64-Asn305.
Accession	Q08830
Molecular Weight	The protein has a predicted MW of 54.8 kDa. Due to glycosylation, the protein migrates to 60-66 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage

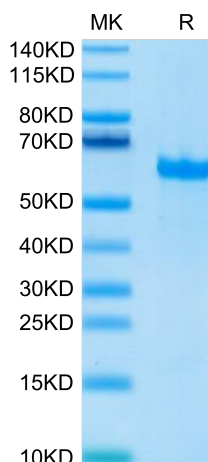
Formulation	Lyophilized from 0.22 µm filtered solution in 20mM PB, 250mM NaCl (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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, FGL-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.

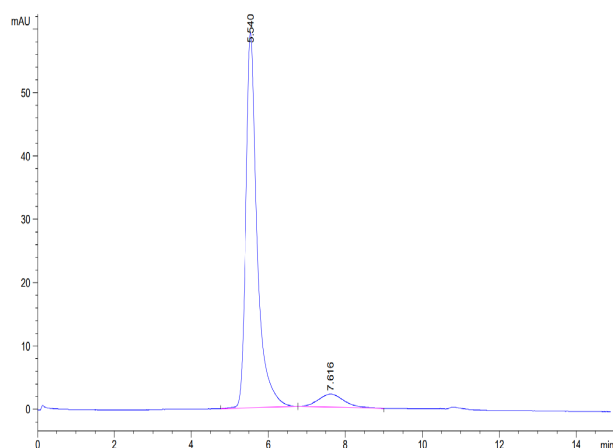
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



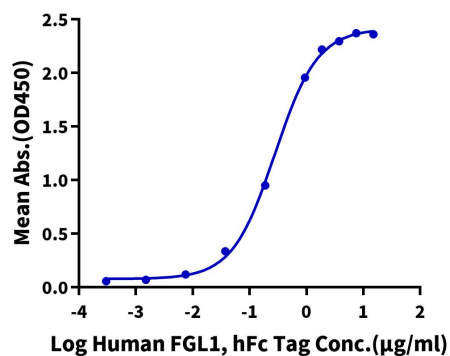
The purity of Human LTBR is greater than 90% as determined by SEC-HPLC.

Assay Data

ELISA Data

Human 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 Human FGL1, hFc Tag with the EC50 of 0.28µg/ml determined by ELISA.