Biotinylated Human FGL2 Protein

Cat. No. FGL-HM612B

Description

Source	Recombinant Biotinylated Human FGL2 Protein is expressed from HEK293 with His-Avi tag and Flag tag at the N-Terminus.
	It contains Val205-Pro439.
Accession	Q14314
Molecular Weight	The protein has a predicted MW of 31.2 kDa. Due to glycosylation, the protein migrates to 40-55 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

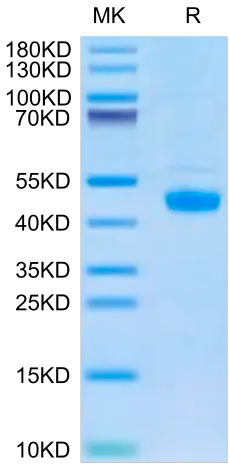
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -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 2 (FGL2) is a member of the fibrinogen-like protein family and possesses important regulatory functions in both innate and adaptive immune responses. FGL2 is overexpressed in glioma, and its expression level is negatively associated with the prognosis of glioma patients.

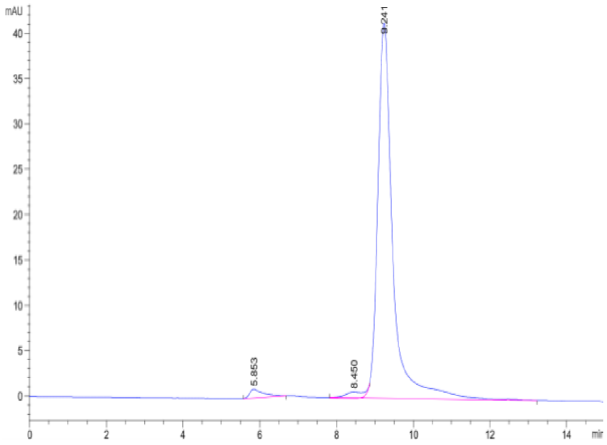
Assay Data

Tris-Bis PAGE



Biotinylated Human FGL2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Biotinylated Human FGL2 is greater than 95% as determined by SEC-HPLC.

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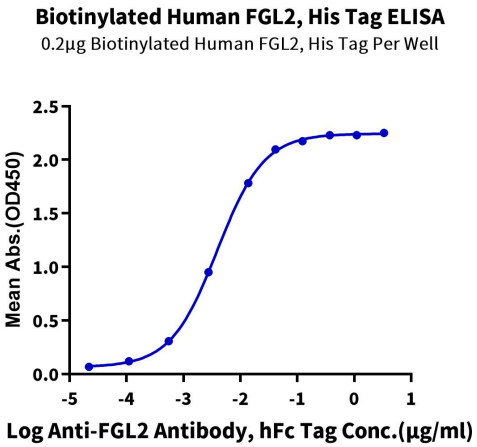
Assay Data

ELISA Data



Immobilized Biotinylated Human FGL2, His Tag at 2μg/ml (100μl/Well) on streptavidin (5μg/ml) precoated plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of 3.9ng/ml determined by ELISA.