

Rat FGL2 Protein

Cat. No. FGL-RM612

Description

Source	Recombinant Rat FGL2 Protein is expressed from HEK293 with His tag and Avi tag and Flag tag at the N-Terminus. It contains Val193-Pro427.
Accession	Q32Q89
Molecular Weight	The protein has a predicted MW of 31.31 kDa. Due to glycosylation, the protein migrates to 40-50 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 > 95% as determined by HPLC

Formulation and Storage

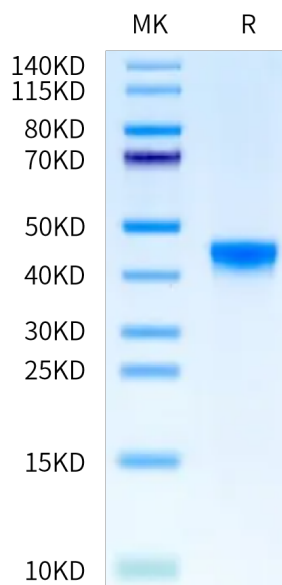
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months 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

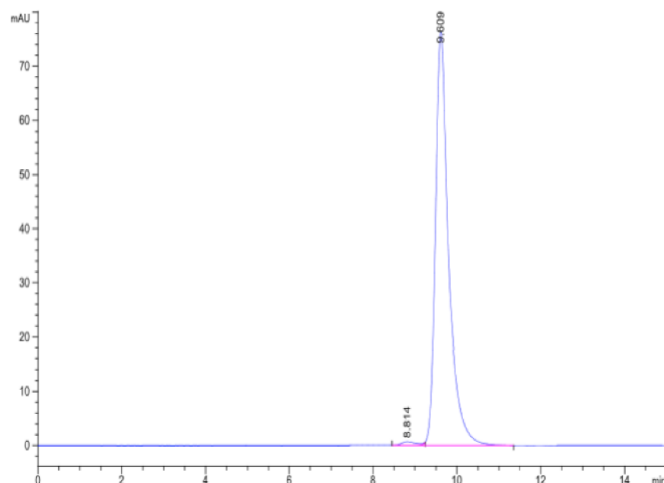
Bis-Tris PAGE



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

SEC-HPLC

Assay Data

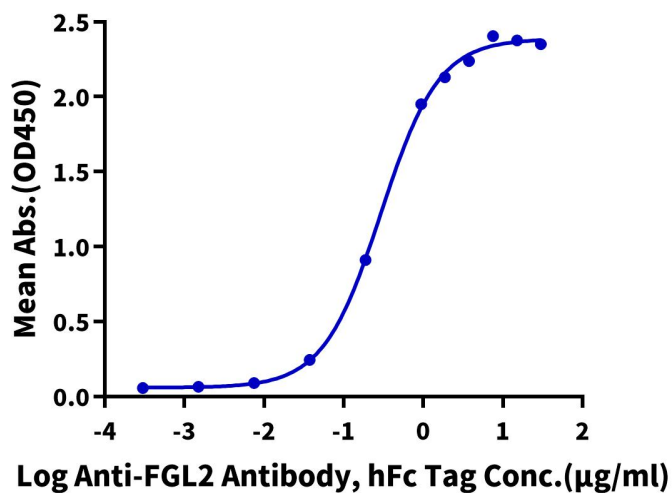


The purity of Rat FGL2 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Rat FGL2, His Tag ELISA

0.2 μg Rat FGL2, His Tag Per Well



Immobilized Rat FGL2, His Tag at 2 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC₅₀ of 0.29 $\mu\text{g}/\text{ml}$ determined by ELISA.