# Recombinant Rat fibrinogen-like 2/FGL2 Protein

## Catalog No.: RP03296

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## Sequence Information

**Species**
Rat

**Gene ID**
84586

**Swiss Prot**
Q32Q89

**Tags**
N-His-Avi&Flag tag

**Synonyms**
Fibroleukin; pT49; FGL2; fibrinogen-like 2

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

**Calculated MW**
31.31 kDa

**Observed MW**
40-50 kDa

**Endotoxin**
< 1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Normally 8% trehalose is added as protectant before lyophilization.

**Reconstitution**
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

Fibrinogen-like protein 2, also know as FGL2 is a protein that exhibits pleiotropic effects within the body and is an important immune regulator of both innate and adaptive responses.The protein exists as both a Type II transmembrane protein found on the surface of macrophages and endothelial cells and can be constitutively secreted by both CD4+ and CD8+ T cells.FGL2 is overexpressed in glioma, and its expression level is negatively associated with the prognosis of glioma patients.

## Basic Information

**Description**
Recombinant Rat FGL2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val193-Pro427) of Rat FGL2 (Accession #Q32Q89) fused with a His-Avi&Flag tag at the N-terminus.

**Activity**
Immobilized Rat FGL2, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of 0.29μg/ml determined by ELISA.

**Shipping**
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

**Storage**
Store at -20℃

**Operational Notes**
For your safety and health, please wear a lab coat and disposable gloves for handling.

**Contact**

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn



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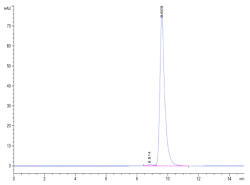
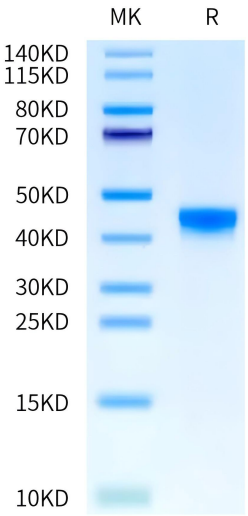
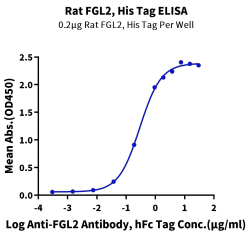
## Validation Data



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




Recombinant Rat fibrinogen-like 2/FGL2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.




Immobilized Rat FGL2, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of 0.29μg/ml determined by ELISA.