

Bioactive

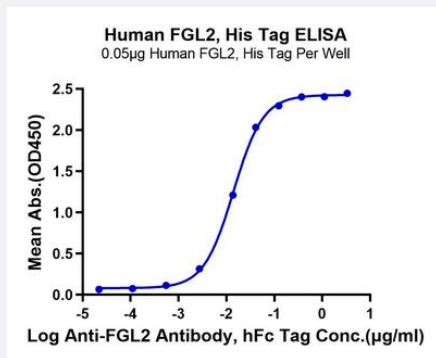
HuPro®

# FGL2 (Human) Recombinant Protein

Catalog # P9735

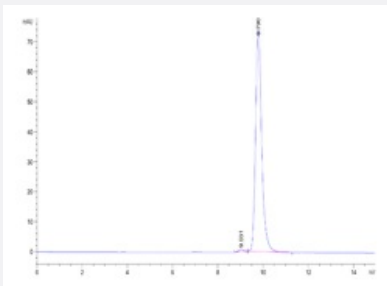
Size 100 ug

## Applications



### Enzyme-linked Immunoabsorbent Assay

Immobilized Human FGL2, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC50 of 14 ng/mL determined by ELISA.



### SEC-HPLC

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

## Specification

### Product Description

Human FGL2 (Q14314, 205 a.a. - 439 a.a.) partial recombinant protein with His-Avi tag and Flag tag at N-terminus expressed in HEK293 cells.

### Sequence

VQHLYKDCSDYYAIGKRSSEYRVTPDPKNSSFEVYCDMETMGGGWTVLQARLDGSTNFTRTW  
QDYKAGFGNLRREFWLGNDKIHLLTKSKEMILRIDLEDFNGVELYALYDQFYVANEFKYLHVGN  
NGTAGDALRFNKHYNHDLKFFTPDKDNDRYPSGNCGLYSSGWWFDACLSANLNGKYYHQKY  
RGVRNGIFWGTWPGVSEAHPPGGYKSSFKEAKMMIRPKHFKP

### Host

Human

### Theoretical MW (kDa)

31.2

Form	Lyophilized
Preparation Method	Mammalian cell (Expi293, high-yield transient HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC <sub>50</sub> was 14 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human FGL2 is greater than 95% as determined by SEC-HPLC.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

## Applications

- Enzyme-linked Immunoabsorbent Assay

Immobilized Human FGL2, His Tag at 0.5 ug/mL (100 uL/well) on the plate. Dose response curve for Anti-FGL2 Antibody, hFc Tag with the EC<sub>50</sub> of 14 ng/mL determined by ELISA.

- Functional Study

- SDS-PAGE

## Gene Info — FGL2

Entrez GeneID	<a href="#">10875</a>
Protein Accession#	<a href="#">Q14314</a>
Gene Name	FGL2
Gene Alias	T49, pT49

Gene Description	fibrinogen-like 2
Omim ID	<a href="#">605351</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is a secreted protein that is similar to the beta- and gamma-chains of fibrinogen. The carboxyl-terminus of the encoded protein consists of the fibrinogen-related domains (FRED). The encoded protein forms a tetrameric complex which is stabilized by interchain disulfide bonds. This protein may play a role in physiologic functions at mucosal sites. [provided by RefSeq]
Other Designations	fibrinogen-like protein 2 fibroleukin

## Disease

- [Genetic Predisposition to Disease](#)
- [Periodontitis](#)
- [Severe Acute Respiratory Syndrome](#)