

FGL1
Catalog # PVGS1594**Specification**

FGL1 - Product Information

Primary Accession [Q08830](#)
Species
Human

Sequence
Leu23-Ile312

Purity
> 95% as analyzed by SDS-PAGE

Endotoxin Level
< 1 EU/ µg of protein by gel clotting method

Biological Activity
Immobilized h_LAG3 at 5.0 µg/ml (100 µl/well) can bind FGL1, hFc, Human with a linear range of 0.097-50 µg/ml when detected by Mouse Anti-Human IgG Fc-HRP.

Expression System
HEK 293

Formulation **Lyophilized from a 0.2 µm filtered solution in PBS.**

Reconstitution
It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH₂O or PBS up to 100 µg/ml.

Storage & Stability
Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

FGL1 - Additional Information

Gene ID 2267

Other Names
Fibrinogen-like protein 1, HP-041, Hepassocin, HPS, Hepatocyte-derived fibrinogen-related protein 1, HFREP-1, Liver fibrinogen-related protein 1 {ECO:0000303|Ref.3}, LFIRE-1 {ECO:0000303|Ref.3}, FGL1 {ECO:0000303|PubMed:18039467, ECO:0000312|HGNC:HGNC:3695}

Target Background
FGL1 (Fibrinogen-like protein 1), also known as hepatocyte-derived fibrinogen-related protein 1 (HFREP-1), HP-041, hepassocin (HPS), and liver fibrinogen-related protein 1 (LFIRE-1), is a

liver-specific secreted protein belonging to the fibrinogen superfamily whose members share a fibrinogen domain at their C-termini. FGL1 is an immune suppressive molecule that inhibits the activation of antigen-specific T cells by acting as a major ligand of LAG3, and binds LAG3 independently of MHC class II.

FGL1 - Protein Information

Name FGL1 {ECO:0000303|PubMed:18039467, ECO:0000312|HGNC:HGNC:3695}

Function

Immune suppressive molecule that inhibits antigen-specific T- cell activation by acting as a major ligand of LAG3 (PubMed:30580966). Responsible for LAG3 T-cell inhibitory function (PubMed:30580966). Binds LAG3 independently from MHC class II (MHC-II) (PubMed:30580966). Secreted by, and promotes growth of, hepatocytes (PubMed:11470158, PubMed:19880967).

Cellular Location

Secreted. Note=Secreted in the blood plasma

Tissue Location

Under normal conditions, liver-specific.

FGL1 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FGL1 - Images