

FGL1 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	HPS;LFIRE-1;HFREP-1;HP-041
Protein Construction:	Leu23-Ile312
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q08830
Molecular Weight:	~61.8 kDa (Reducing conditions)

QC Testing

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.
Purity:	> 95% as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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