

## Product Data Sheet

## FGL1 Protein, Mouse (sf9, His)

Cat. No.:	HY-P75188
Synonyms:	Fibrinogen-like protein 1; FGL1; HP-041; Hepassocin; HFREP-1; LFIRE-1
Species:	Mouse
Source:	Sf9 insect cells
Accession:	Q71KU9 (M1-I314)
Gene ID:	234199
Molecular Weight:	Approximately 35.5 kDa

PROPERTIES	
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 300 mM NaCl, 10% Glycerol, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION	
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Background	FGL1 Protein serves as a potent immune suppressive molecule, exerting its inhibitory effect on antigen-specific T-cell activation as a major ligand for LAG3. It is a crucial contributor to LAG3-mediated T-cell inhibitory functions, and notably, its binding to LAG3 occurs independently of MHC class II. Additionally, FGL1 is secreted by hepatocytes and plays a role in promoting their growth. The protein exists in a homodimeric form and interacts with LAG3 through its Fibrinogen C-terminal domain, specifically engaging with the Ig-like domains 1 and 2 of LAG3.

## Caution: Product has not been fully validated for medical applications. For research use only.

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