

FGL1 Protein, Cynomolgus (HEK293, mFc)

Cat. No.:	HY-P78589
Synonyms:	FGL1; Hepassocin; HP-041; HFREP-1; LFIRE-1; HFREP1
Species:	Cynomolgus
Source:	HEK293
Accession:	G7N0K6-1 (L23-I312)
Gene ID:	102118020
Molecular Weight:	60-66 kDa

PROPERTIES

AA Sequence	<pre> L E D C A Q E Q V R L R A Q V R L L E T R V K Q Q Q V K I K Q L L Q E N E V Q F L D K G E E N S V I D L G S K R Q Y A D C S E I F N D G Y K L S G F Y K I K P L Q S P A E F A V Y C D M S D G G G W T V I Q R R S D G S E N F N R G W N D Y E N G F G N F V Q K H G E Y W L G N K N L H F L T T Q E D Y T L K I D L A D F E K N S R Y A Q Y K N F K V G D E K N F Y E L N I G E Y S G T A G D S L A G S F H P E V Q W W A T H Q R M K F S T W D R D H D N Y D G N C A E E D Q S G W W F N R C H S A N L N G L Y Y T G P Y T A K T D N G I V W Y T W H G W W Y S L K S V V M K I R P N D F I P N V I </pre>
Biological Activity	Immobilized Biotinylated Human LAG-3 Fc-Avi at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate can bind Cynomolgus / Rhesus macaque FGL1 mFc with a linear range of 0.019-0.625 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.22 µm filtered solution of 50 mM Tris, 100 mM Glycine, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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

Background	FGL1 Protein serves as a potent immune suppressive molecule, exerting its inhibitory effect on antigen-specific T-cell
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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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