

Rev02
 Update: Aug,08,2025

DATASHEET

FGL1 hFc Chimera, Human

Cat. No.: Z05301

Product Introduction

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| Species | Human |
| Protein Construction | <div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #4a7ebb; color: white; padding: 5px; margin-right: 10px;">hFc</div> <div style="background-color: #0070c0; color: white; padding: 5px; border: 1px solid white;"> FGL1 (Asp64-Asn305) Accession # Q08830 </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div> |
| Purity | > 95% as determined by BisTris PAGE > 90% as determined by HPLC |
| Endotoxin Level | Less than 1EU per µg by the LAL method. |
| Biological Activity | Measured by its binding ability in a functional ELISA. Immobilized Human LAG3, His Tag at 5µg/ml (100µl/Well) on the plate can bind FGL1 hFc Chimera, Human. Test result was comparable to standard batch. |
| Expression System | HEK293 |
| Theoretical Molecular Weight | 54.8 kDa |
| Apparent Molecular Weight | Due to glycosylation, the protein migrates to 60-66 kDa based on Bis-Tris PAGE result. |
| Formulation | Lyophilized from 0.22 µm filtered solution in 20mM PB, 250mM NaCl (pH 7.4). |
| Reconstitution | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water. |
| Storage & Stability | Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles. |

Background

Target Background : Fibrinogen-like protein 1 (FGL-1) is a protein that is structurally related to fibrinogen. In humans, FLG-1 is encoded by the FGL1 gene. Fibrinogen-like protein 1 is a member of the fibrinogen family of proteins, which also includes fibrinogen, fibrinogen-like protein 2, and clotting factors V, VIII, and XIII. Fibrinogen-like Protein 1 is a major immune inhibitory ligand of LAG-3.

Synonyms : FGL1; FGL-1; Hepassocin; HP-041; HFREP-1; LFIRE-1; HFREP1; Lag3 ligand

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