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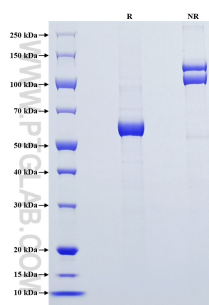
# Recombinant Human FGL1 protein (rFc Tag)



Catalog Number: Eg2765

| Basic Information        | Species:<br>Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Purity:<br>>90 %, SDS-PAGE | Tag:<br>rFc Tag |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------|
| Technical Specifications | <p><b>Purity:</b><br/>&gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b><br/>&lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b><br/>HEK293-derived Human FGL1 protein Leu23-Ile312 (Accession# Q08830) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b><br/>2267</p> <p><b>Accession:</b><br/>Q08830</p> <p><b>Predicted Molecular Mass:</b><br/>60 kDa</p> <p><b>SDS-PAGE:</b><br/>55-65 kDa, reducing (R) conditions</p> <p><b>Formulation:</b><br/>Lyophilized from 0.22 µm filtered solution in 20mM Tris, 300mM NaCl, pH8.0. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p> |                            |                 |
| Biological Activity      | Not tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                            |                 |
| Storage and Shipping     | <p><b>Storage:</b><br/>It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b><br/>The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>                                                                                                                                                                   |                            |                 |
| Reconstitution           | Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                            |                 |
| Background               | <p>Fibrinogen-like 1 (FGL1), also termed hepatocyte-derived fibrinogen-related protein 1 (HFREP1) or hepascocin, is a predominantly liver expressed protein that has been implicated as both a hepatoprotectant and a hepatocyte mitogen. FGL1 expression is decreased in hepatocellular carcinoma (HCC), and it may play a role in the development of hepatocellular carcinomas.</p>                                                                                                                                                                                                                                                             |                            |                 |
| References               | <ol style="list-style-type: none"><li>1. Hara, H et al. Biochimica et biophysica acta vol. 1520,1 (2001): 45-53.</li><li>2. Li, Chang-Yan et al. Gut vol. 59,6 (2010): 817-26.</li><li>3. Chen, Jiongming et al. Biomarker research vol. 12,1 53. 31 May. 2024.</li></ol>                                                                                                                                                                                                                                                                                                                                                                         |                            |                 |
| Synonyms                 | Hepascocin, fibrinogen like 1, Fibrinogen like protein 1, Fibrinogen-like protein 1, Hepatocyte-derived fibrinogen-related protein 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                 |

## Selected Validation Data



Purity of Recombinant Human FGL1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.