

HUMAN FGL1 PROTEIN, HIS TAG**Cat.#:** 11823**Product Name:** Human FGL1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** HFREPI;HP-041;HPS;LFIRE-1;LFIRE1**Target:** FGL1**UNIPROT ID:** Q08830**Description:** Recombinant Human FGL1 protein with C-terminal 6xHis tag**Background:** Fibrinogen-like 1 is a member of the fibrinogen family. This protein is homologous to the carboxy terminus of the fibrinogen beta- and gamma- subunits which contains the four conserved cysteines of fibrinogens and fibrinogen related proteins. However, this protein lacks the platelet-binding site, cross-linking region and a thrombin-sensitive site which are necessary for fibrin clot formation. This protein may play a role in the development of hepatocellular carcinomas. Four alternatively spliced transcript variants encoding the same protein exist for this gene. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 34.8 kDa after removal of the signal peptide. The apparent molecular mass of FGL1-His is approximately 25–35 kDa due to glycosylation.**Molecular Characterization:** FGL1(Leu23-Ile312) 6×His tag**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Human FGL1 Protein, His Tag on SDS-PAGE under reducing condition.