

HUMAN LIPG PROTEIN, HIS TAG**Cat.#:** 11521**Product Name:** Human LIPG Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** Endothelial lipase;DL;L;phospholipase A1**Target:** LIPG**UNIPROT ID:** Q9Y5X9**Description:** Recombinant human LIPG protein with C-terminal 6xHis tag**Background:** The protein encoded by this gene has substantial phospholipase activity and may be involved in lipoprotein metabolism and vascular biology. This protein is designated a member of the TG lipase family by its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 55.4 kDa after removal of the signal peptide. The apparent molecular mass of LIPG-His is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** LIPG(Ser21-Pro500) 6×His tag**Purity:** The purity of the protein is greater than 80% 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 LIPG Protein, His Tag on SDS-PAGE under reducing condition.