

**HUMAN LY6H PROTEIN, HFC TAG****Cat.#:** 11908**Product Name:** Human LY6H Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** NMLY6**Target:** LY6H**UNIPROT ID:** O94772**Description:** Recombinant Human LY6H Protein with C-terminal human Fc tag**Background:** Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-3:beta-4-containing nAChRs maximum response. May play a role in the intracellular trafficking of alpha-7-containing nAChRs and may inhibit their expression at the cell surface. Seems to inhibit alpha-7/CHRNA7 signaling in hippocampal neurons.[UniProtKB/Swiss-Prot Function]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 36.0 kDa after removal of the signal peptide. The apparent molecular mass of LY6H-hFc is approximately 35-55 kDa due to glycosylation.**Molecular Characterization:** LY6H(Leu26-Gly115) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% 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 LY6H Protein, hFc Tag on SDS-PAGE under reducing condition.