

HUMAN LGALS1 PROTEIN, HFC TAG**Cat.#:** 11690**Product Name:** Human LGALS1 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** GAL1;GBP;Galectin 1**Target:** LGALS1**UNIPROT ID:** P09382**Description:** Recombinant Human LGALS1 Protein with C-terminal human Fc tag**Background:** The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. This gene product may act as an autocrine negative growth factor that regulates cell proliferation. [provided by RefSeq, Jul 2008]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 40.7 kDa after removal of the signal peptide. The apparent molecular mass of LGALS1-hFc is approximately 35–55 kDa due to glycosylation.**Molecular Characterization:** LGALS1(Ala2–Asp135) 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 LGALS1 Protein, hFc Tag on SDS-PAGE under reducing condition.