

## HUMAN LAG3 PROTEIN, HFC TAG

**Cat.#:** 11316

**Product Name:** Human LAG3 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** LAG-3;CD223

**Target:** LAG3

**UNIPROT ID:** P18627

**Description:** Recombinant human LAG3 Protein with C-terminal Human Fc tag

**Background:** Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 72.3 kDa after removal of the signal peptide. The apparent molecular mass of LAG3-hFc is approximately 100-130 kDa due to glycosylation.

**Molecular Characterization:** LAG3(Leu23-Leu245) 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.

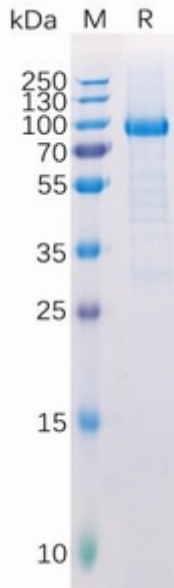


Figure 1. Human LAG3 Protein, hFc Tag on SDS-PAGE under reducing condition.