

## HUMAN CD19 PROTEIN, HFC-HIS TAG

**Cat.#:** 11165

**Product Name:** Human CD19 Protein

**Size :** 10 µg, 50 µg and 100 µg

**Synonyms:** CD19;4;VID3;GC12802

**Target:** CD19

**UNIPROT ID:** P15391

**Description:** Recombinant human CD19 Protein with C-terminal Human Fc and 6xHis tag

**Background:** Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 57.1 kDa after removal of the signal peptide. The apparent molecular mass of CD19-hFc-His is approximately 70-100 kDa due to glycosylation.

**Molecular Characterization:** CD19(Pro20-Lys291) hFc(Glu99-Ala330) 6×His tag

**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.

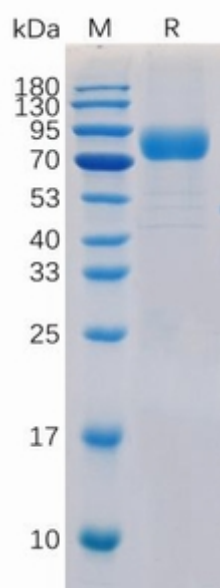


Figure 1. Human CD19 Protein, hFc-His Tag on SDS-PAGE under reducing condition.