

HUMAN CD21 PROTEIN, HFC TAG**Cat.#:** 11597**Product Name:** Human CD21 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** C3DR;CD21;CR;CVID7;SLEB9**Target:** CD21**UNIPROT ID:** P20023**Description:** Recombinant Human CD21 with C-terminal human Fc tag**Background:** This gene encodes a membrane protein, which functions as a receptor for Epstein-Barr virus (EBV) binding on B and T lymphocytes. Genetic variations in this gene are associated with susceptibility to systemic lupus erythematosus type 9 (SLEB9). Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 130.4 kDa after removal of the signal peptide. The apparent molecular mass of CD21-hFc is approximately 130-150 kDa due to glycosylation.**Molecular Characterization:** CD21(Ile21-Arg971) 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 CD21 Protein, hFc Tag on SDS-PAGE under reducing condition.