

HUMAN CD20 PROTEIN, HFC TAG

Cat.#: 11172

Product Name: Human CD20 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: B1;Bp35;CD20;CVID5;LEU-16;MS4A2;S7

Target: CD20

UNIPROT ID: P11836

Description: Recombinant Human CD20 protein with N-terminal human Fc

Background: This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 31.6 kDa after removal of the signal peptide. The apparent molecular mass of hFc-CD20 is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: hFc(Glu99-Ala330) CD20(Lys142-Ser188)

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.

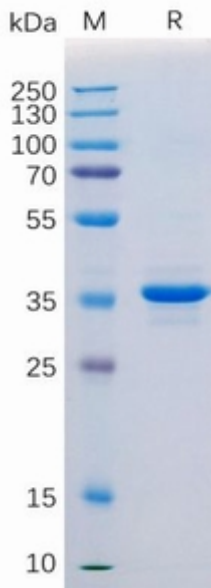


Figure 1. Human CD20 Protein, hFc Tag on SDS-PAGE under reducing condition.