

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **HUMAN CD52 PROTEIN, HFC TAG**

Cat.#: 11564

**Product Name:** Human CD52 Protein

**Size:** 10 μg, 50 μg and 100 μg

**Synonyms:** CDW52;HE5;CAMPATH-1 antigen

Target: CD52

**UNIPROT ID:** P31358

Description: Recombinant human CD52 protein with C-terminal human Fc

tag

**Background:** CD52 (CD52 Molecule) is a Protein Coding gene. Diseases associated with CD52 include?Prolymphocytic Leukemia?and?Lymphocytic Leukemia. Among its related pathways are?Metabolism of proteins?and?Post-translational modification- synthesis of GPI-anchored proteins.

Species/Host: HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 27.3 kDa after removal of the signal peptide. The apparent molecular mass of CD52-hFc is approximately 35-40 kDa due to glycosylation.

Molecular Characterization: CD52(Gly25-Ser36) 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.



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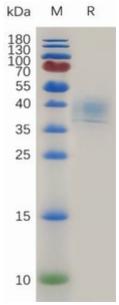


Figure 1. Human CD52 Protein, hFc Tag on SDS-PAGE under reducing condition.