

## HUMAN CD37 PROTEIN, HFC TAG

**Cat.#:** 11210

**Product Name:** Human CD37 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD37;TSPAN26;Tspan-26

**Target:** CD37

**UNIPROT ID:** P11049

**Description:** Recombinant Human CD37 protein with C-terminal human Fc tag

**Background:** The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins and other transmembrane 4 superfamily proteins. It may play a role in T-cell-B-cell interactions. Alternate splicing results in multiple transcript variants encoding different isoforms.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 41.0 kDa after removal of the signal peptide. The apparent molecular mass of CD37-hFc is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** CD37(Arg112-Asn241) 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.

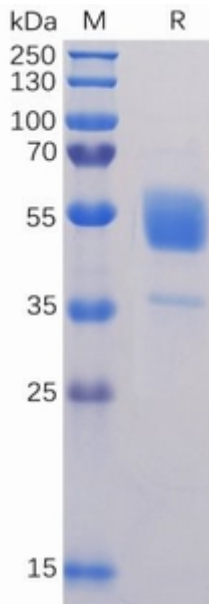


Figure 1. Human CD37 Protein, hFc Tag on SDS-PAGE under reducing condition.