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.

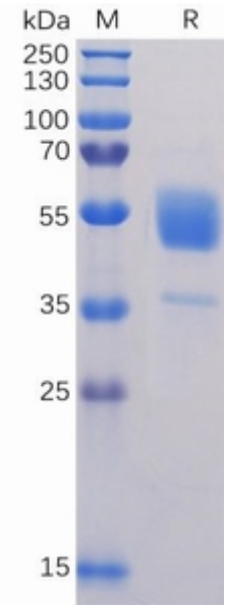

Figure 1. Human CD37 Protein, hFc Tag on SDS-PAGE under reducing condition.