HUMAN CD81 PROTEIN, HFC TAG

Cat.#: 11391

Product Name: Human CD81 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: CVID6;S5.7;TAPA1;TSPAN28

Target: CD81

UNIPROT ID: P60033

Description: Recombinant Human CD81 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. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 35.9 kDa after removal of the signal peptide.The apparent molecular mass of CD81-hFc is approximately 25-55 kDa due to glycosylation.

Molecular Characterization: CD81(Phe113-Lys201) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 90% 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.

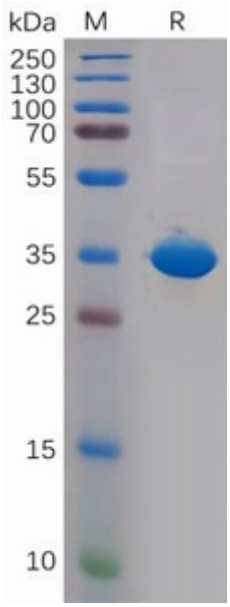

Figure 1. Human CD81 Protein, His Tag on SDS-PAGE under reducing condition.