HUMAN CD63 PROTEIN, HFC TAG

Cat.#: 11531

Product Name: Human CD63 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CD63 antigen;ranulophysin;AMP-3;imp1;elanoma-associated antigen ME491;MA81H;cular melanoma-associated antigen;etraspanin-30;Tspan-30

Target: CD63

UNIPROT ID: P08962

Description: Recombinant human CD63 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. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 37.7 kDa after removal of the signal peptide. The apparent molecular mass of CD63-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: CD63(Ala103-Val203) 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.

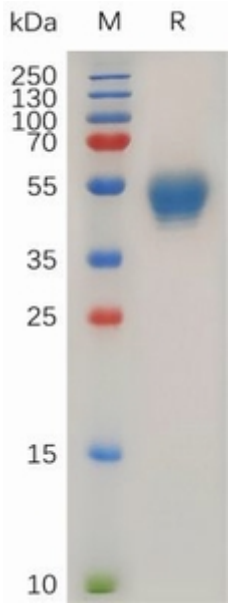

Figure 1. Human CD63 Protein, hFc Tag on SDS-PAGE under reducing condition.