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## Recombinant Human CD63 Protein(Halo Tag)

Catalog Number: PDMH100469

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### Description

Species Human

Source HEK293 Cells-derived Human CD63 protein Ala103-Val203, with an C-terminal

Halo

Calculated MW45 kDaObserved MW49 kDaAccessionP08962

Bio-activity Not validated for activity

### **Properties**

**Purity** > 95% as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU/mg of the protein as determined by the LAL method

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -

80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

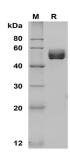
Formulation Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5%

Mannitol.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution

of 0.5 mg/mL. Concentration is measured by UV-Vis.

## Data



SDS-PAGE analysis of Human CD63 proteins, 2µg/lane of Recombinant Human CD63 proteins, was resolved with SDS-PAGE under reducing conditions, showing bands at 49

KD

## **Background**

For Research Use Only

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There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cel I. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. Cluster of differentiation 63 (CD63) is a member of the CD family and the transmembrane 4 superfamily, also known as the tetraspanin family. CD63 is a cellular surface glycoprotein characterized by the presence of four bydrophobic domains. CD63 had functions in mediating signal transduction processes and then regulate variety of cellular processes such as cell proliferation, activation and motility. It has reported that CD63 protein associated with tumor progression and served as a blood platlet activation marker and the deficiency of this protein may be associated with Hermansky-Pudlak syndrome.

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