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## Datasheet for ABIN7491586 CD63 Protein (CD63)

### Overview

Quantity:	100 µg
Target:	CD63
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic

### Product Details

Purpose:	Human CD63 full length protein-synthetic nanodisc
Characteristics:	Full Length Transmembrane Proteins (synthetic Nanodisc)

### Target Details

Target:	CD63
Alternative Name:	CD63 ( <a href="#">CD63 Products</a> )
Background:	<p>LAMP-3, ME491, MLA1, OMA81H, TSPAN30</p> <p>Description: The protein 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.</p> <p>Alternative splicing results in multiple transcript variants encoding different protein isoforms.</p>

## Target Details

Molecular Weight: The human full length CD63 protein has a MW of 25.6 kDa

UniProt: [P08962](#)

## Application Details

Application Notes:

- Applications for VLPs:
- ELISA
- SPR affinity analysis
- Phage display screening
- Immunization
- Cell based assays
- CAR-T cell screening
- Protein crystal structure analysis

Comment: Synthetic Nanodisc can be prepared directly from the cells. The polymers used during this process have a dual function. It dissolves the cell membranes, like the detergent, and uses cellular phospholipids to form Nanodisc around the membrane proteins. The target protein embedded Nanodiscs can then be purified.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Supplied in nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0)

Storage: -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months