

Datasheet for ABIN7596535

**CD81 Protein (CD81) (DYKDDDDK Tag, Strep Tag)**[Go to Product page](#)

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 10 µg   |
| Target:                       | CD81  |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells   |
| Protein Type:                 | Synthetic Nanodisc  |
| Purification tag / Conjugate: | This CD81 protein is labelled with DYKDDDDK Tag, Strep Tag.   |
| Application:                  | ELISA, Immunogen (Imm), Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM) |

## Product Details

|          |   |
|----------|---|
| Purpose: | Human CD81-Strep full length protein-synthetic nanodisc |
|----------|---|

## Target Details

|                   |   |
|-------------------|---|
| Target:           | CD81  |
| Alternative Name: | CD81 ( <a href="#">CD81 Products</a> )  |
| Background:       | <p>CVID6, S5.7, TAPA1, TSPAN28</p> <p>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</p> |

## Target Details

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]

Molecular Weight: The human full length CD81-Strep protein has a MW of 25.6 kDa

UniProt: [P60033](#)

Pathways: [Inositol Metabolic Process, Hepatitis C](#)

## Application Details

Comment: Advantages:

- Highly purified membrane proteins
- High solubility in aqueous solutions
- High stability
- Proteins are in a native membrane environment and remain biologically active
- No detergent and can be used for cell-based assays
- No MSP backbone proteins
- Mammalian cell expression system ensures post- translational modifications

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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