

Datasheet for ABIN7596567

**MLC1 Protein (DYKDDDDK Tag, Strep Tag)**[Go to Product page](#)

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 10 µg   |
| Target:                       | MLC1  |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells   |
| Protein Type:                 | Synthetic Nanodisc  |
| Purification tag / Conjugate: | This MLC1 protein is labelled with DYKDDDDK Tag, Strep Tag.   |
| Application:                  | Surface Plasmon Resonance (SPR), Phage Display (PhD), ELISA, Immunogen (Imm), Cryogenic electron microscopy (cryo-EM) |

## Product Details

|          |   |
|----------|---|
| Purpose: | Human MLC1-Strep full length protein-synthetic nanodisc |
|----------|---|

## Target Details

|             |  |
|-------------|--|
| Target:     | MLC1   |
| Abstract:   | <a href="#">MLC1 Products</a>  |
| Background: | <p>LVM, MLC, VL</p> <p>The function of this protein is unknown, however, homology to other proteins suggests that it may be an integral membrane transporter. Mutations in this gene have been associated with megalencephalic leukoencephalopathy with subcortical cysts, an autosomal recessive neurological disorder. Alternatively spliced transcript variants encoding different isoforms have been identified.</p> |

## Target Details

Molecular Weight: The human full length MLC1-Strep protein has a MW of 41.2 kDa

UniProt: [Q15049](#)

## 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