

Datasheet for ABIN7596992

## Chloride Channel 5 Protein (CLCN5) (DYKDDDDK Tag, Strep Tag)



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### Overview

Quantity:	10 µg
Target:	Chloride Channel 5 (CLCN5)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This Chloride Channel 5 protein is labelled with DYKDDDDK Tag, Strep Tag.
Application:	ELISA, Surface Plasmon Resonance (SPR), Phage Display (PhD), Immunogen (Imm), Cryogenic electron microscopy (cryo-EM)

### Product Details

Purpose:	Human CLCN5-Strep full length protein-synthetic nanodisc
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### Target Details

Target:	Chloride Channel 5 (CLCN5)
Alternative Name:	CLCN5 ( <a href="#">CLCN5 Products</a> )
Background:	<p>CLC5, CLCK2, CIC-5, DENT1, DENTS, NPHL1, NPHL2, XLRH, XRN, hCIC-K2</p> <p>This gene encodes a member of the CIC family of chloride ion channels and ion transporters. The encoded protein is primarily localized to endosomal membranes and may function to facilitate albumin uptake by the renal proximal tubule. Mutations in this gene have been found in Dent disease and renal tubular disorders complicated by nephrolithiasis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2013]</p>

## Target Details

Molecular Weight: The human full length CLCN5-Strep protein has a MW of 83.1 kDa

UniProt: [P51795](#)

## 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