

Datasheet for ABIN7596589

CLPTM1 Protein (DYKDDDDK Tag, Strep Tag)



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Overview

Quantity:	10 µg
Target:	CLPTM1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This CLPTM1 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 CLPTM1-Strep full length protein-synthetic nanodisc
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Target Details

Target:	CLPTM1
Alternative Name:	CLPTM1 (CLPTM1 Products)
Background:	<p>N.A.</p> <p>Involved in GABAergic but not glutamatergic transmission. Binds and traps GABAA receptors in the endoplasmic reticulum (ER). Modulates postsynaptic GABAergic transmission, and therefore inhibitory neurotransmission, by reducing the plasma membrane expression of these receptors. Altered GABAergic signaling is one among many causes of cleft palate. Might function as a lipid scramblase, translocating lipids in membranes from one leaflet to the other one.</p>

Target Details

Molecular Weight: The human full length CLPTM1-Strep protein has a MW of 76.1 kDa

UniProt: [O96005](#)

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