PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	CLPTM1
Synonyms	N.A.
Description	Human CLPTM1-Strep full length protein-synthetic nanodisc
Delivery	6~8weeks
Uniprot ID	O96005
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	N.A.
Molecular Weight	The human full length CLPTM1-Strep protein has a MW of 76.1 kDa
Formulation & Reconstitution	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
Storage&Shipping	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.
Background	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.
Usage	Research use only
Conjugate	Unconjugated