

HDFP1392

Product Information

Product SKU:	HDFP1392	Expression Host:	HEK293	Size:	10µg
Target:	MCLN1	Tag:	C-Flag&Strep Tag		

Additional Information

Conjugate:	Unconjugated	Uniprot ID:	Q9GZU1
Molecular Weight:	The human full length MCLN1-Strep protein has a MW of 65 kDa		

Protein Information

Background: This gene encodes a member of the transient receptor potential (TRP) cation channel gene family. The transmembrane protein localizes to intracellular vesicular membranes including lysosomes, and functions in the late endocytic pathway and in the regulation of lysosomal exocytosis. The channel is permeable to Ca^{2+} , Fe^{2+} , Na^{+} , K^{+} , and H^{+} , and is modulated by changes in Ca^{2+} concentration. Mutations in this gene result in mucopolipidosis type IV. [provided by RefSeq, Oct 2009]

Synonyms: MG-2, ML1, ML4, MLIV, MST080, MSTP080, TRP-ML1, TRPM-L1, TRPML1

Protein Description: Human MCLN1-Strep full length protein-synthetic nanodisc

Formulation: 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.

Protein Pathways: -

Protein Families: Ion Channels: Transient receptor potential.

Usage: Research use only

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.