

**PRODUCT INFORMATION**

<b>Tag</b>	C-Flag&Strep Tag
<b>Target</b>	MCLN1
<b>Synonyms</b>	MG-2, ML1, ML4, MLIV, MST080, MSTP080, TRP-ML1, TRPM-L1, TRPML1
<b>Description</b>	Human MCLN1-Strep full length protein-synthetic nanodisc
<b>Delivery</b>	6~8weeks
<b>Uniprot ID</b>	Q9GZU1
<b>Expression Host</b>	HEK293
<b>Protein Families</b>	Ion Channels: Transient receptor potential
<b>Protein Pathways</b>	N/A
<b>Molecular Weight</b>	The human full length MCLN1-Strep protein has a MW of 65 kDa
<b>Formulation &amp; Reconstitution</b>	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
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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 <sup>2+</sup> , Fe <sup>2+</sup> , Na <sup>+</sup> , K <sup>+</sup> , and H <sup>+</sup> , and is modulated by changes in Ca <sup>2+</sup> concentration. Mutations in this gene result in mucopolipidosis type IV. [provided by RefSeq, Oct 2009]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated

