

PRODUCT INFORMATION

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| Tag | C-Flag Tag |
| Target | MCLN2 |
| Synonyms | TRP-ML2, TRPML2 |
| Description | Human MCLN2 full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | Q8IZK6 |
| Expression Host | HEK293 |
| Protein Families | Ion Channels: Transient receptor potential |
| Protein Pathways | N/A |
| Molecular Weight | The human full length MCLN2 protein has a MW of 65.9kDa |
| 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 of reconstitution. |
| 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 | Mucolipins constitute a family of cation channel proteins with homology to the transient receptor potential superfamily. In mammals, the mucolipin family includes 3 members, MCOLN1 (MIM 605248), MCOLN2, and MCOLN3 (MIM 607400), that exhibit a common 6-membrane-spanning topology. Homologs of mammalian mucolipins exist in <i>Drosophila</i> and <i>C. elegans</i> . Mutations in the human MCOLN1 gene cause mucolipodosis IV (MIM 262650) (Karacsonyi et al., 2007 [PubMed 17662026]).[supplied by OMIM, Sep 2009] |
| Usage | Research use only |
| Conjugate | Unconjugated |

