

Product Information

MemDX™ Membrane Protein Human MCOLN2 (Mucolipin TRP cation channel 2) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX2587K**

This product is for research use only and is not intended for diagnostic use.

This product is a Human MCOLN2 membrane protein expressed *in vitro* E.coli expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

MCOLN2

Protein Length

Full Length

Protein Class

Ion channel, Transport

TMD

6

Sequence

MARQPYRFPQARIPERGSGVFRLTVRNAMAHRDSEMKEECLREDLKFYFMSPCEKYRARRQIPWKLGLQLKIVMVTTLVRFGLS

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

MCOLN2

Full Name

Mucolipin TRP cation channel 2

Introduction

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 *Drosophila* and *C. elegans*. Mutations in the human MCOLN1 gene cause mucolipodosis IV (MIM 262650).

Alternative Names

MCOLN2; TRPML2; TRP-ML2; mucolipin 2; transient receptor potential channel mucolipin 2; Mucolipin TRP cation channel 2

Gene ID

[255231](#)

UniProt ID

[Q8IZK6](#)