

# Product Information

## **MemDX™ Membrane Protein Human MCOLN3 (Mucolipin TRP cation channel 3) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX2818K**

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

This product is a Human MCOLN3 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

MCOLN3

#### Protein Length

Full Length

#### Protein Class

Ion channel, Transport

#### TMD

6

#### Sequence

MADPEVVVSSCSSHEEENRCNFCNQQTSPSEELLLEDQMRRKLKFFFMNPCEKFWARGRKPWKLAIQILKIAMVTIQLVLFGLSNQM

### 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

MCOLN3

#### Full Name

Mucolipin TRP cation channel 3

#### Introduction

This gene encodes one of members of the mucolipin cation channel proteins. Mutation studies of the highly similar protein in mice have shown that the protein is found in cochlea hair cells, and mutant mice show early-onset hearing loss and balance problems. Multiple transcript variants encoding different isoforms have been found for this gene.

#### Alternative Names

MCOLN3; TRPML3; TRP-ML3; mucolipin-3; mucolipin 3; transient receptor potential channel mucolipin 3; Mucolipin TRP cation channel 3

#### Gene ID

[55283](#)

#### UniProt ID

[Q8TDD5](#)