

Product Information

MemDX™ Membrane Protein Human MCOLN3 (Mucolipin TRP cation channel 3) Full Length

Cat. No.: **MPC0664K**

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

This product is a 64.2 kDa Human MCOLN3 membrane protein expressed in Baculovirus/Insect 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

Transporter; Ion channel

Molecular Weight

64.2 kDa

TMD

6

Sequence

MADPEVVVSSCSSHEEENRCNFNQQTSPSEELLLEDQMRRKLKFFFMNPC
EKFWARGRPWKLAIQILKIAMVTIQLVLFGLSNQMVFKEENTIAFKH
LFLKGYMDRMDDTYAVYTQSDVYDQLIFAVNQYLQLYNVSVGNHAYENKG
TKQSAMAICQHIFYKRGNIYPGNDTFDIDPEIETECFFVEPDEPFHIGTPA
ENKLNLTLDHFHRLTVELQFKLKAINLQTVRHQELPDCYDFTLTITFDNK
AHSGRIKISLDNDISIRECKDWHVSGSIQKNTHYMMIFDAFVILTCLVSL
ILCIRSVIRGLQLQQEFVNFFLLHYKKEVSVSDQMEFVNGWYIMIIISDI
LTIIGSILKMEIQAKSLTSYDVCSILLGTSTMLVWLGVIRYLGFFAKYNL
LILTLQAALPNVIRFCCCAAMIYLGVCFCGWIVLGPYHDKFRSLNMVSEC
LFSLINGDDMFATFAKMQQKSYLVWLFSSRIYLYSFISLFIYMILSLFIAL
ITDTYETIKQYQQDGFPELRTFISECKDLPSNGKYRLEDDPPVSLFCC
CKK

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

MBP tag at the N-terminus

Protein Format

Detergent or based on specific requirements

Form

Liquid

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

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

Gene ID

[55283](#)

UniProt ID

[Q8TDD5](#)