

Product Information

MemDX™ Membrane Protein Human CLRN1 (Clarin 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2256K**

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

This product is a Human CLRN1 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

CLRN1

Protein Length

Full Length

Protein Class

Receptor

TMD

4

Sequence

MPSQQKKIIFCMAGVFSFACALGVVTALGTPLWIKATVLCKTGALLVNASGQELDKFMGEMQYGLFHGEGRQCGLGARPFRFSFF

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

CLRN1

Full Name

Clarin 1

Introduction

This gene encodes a protein that contains a cytosolic N-terminus, multiple helical transmembrane domains, and an endoplasmic reticulum membrane retention signal, TKGH, in the C-terminus. The encoded protein may be important in development and homeostasis of the inner ear and retina. Mutations within this gene have been associated with Usher syndrome type IIIa. Multiple transcript variants encoding distinct isoforms have been identified for this gene.

Alternative Names

CLRN1; RP61; USH3; USH3A; Usher syndrome type-3 protein; Clarin 1

Gene ID

[7401](#)

UniProt ID

[P58418](#)