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Product Information

MemDX™ Membrane Protein Human TMIE (Transmembrane inner ear)

Cat. No.: **MP0004J**
This product is for research use only and is not intended for diagnostic use.

This product is a 14.8 kDa Human TMIE membrane protein expressed in HEK293T. 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
TMIE

Protein Length
Full-length

Protein Class
Transmembrane

Molecular Weight
14.8 kDa

TMD
1

Sequence
MAGWPGAGPLCVLGGAALGVCLAGVAGQLVEPSTAPPKPKPPPLTKETVVFWDMRLWHVVGIFSLFVLSI
IITLCCVFNCRVPRTRKEIEARYLQRKAAKMYTDKLETVPPLNELTEVPGEDKKKKKKKKDSVDTVAIKV
EEDEKNEAKKKKGEK

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Powder

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

TMIE

Full Name

Transmembrane inner ear

Introduction

This gene encodes a transmembrane inner ear protein. Studies in mouse suggest that this gene is required for normal postnatal maturation of sensory hair cells in the cochlea, including correct development of stereocilia bundles. This gene is one of multiple genes responsible for recessive non-syndromic deafness (DFNB), also known as autosomal recessive nonsyndromic hearing loss (ARNSHL), the most common form of congenitally acquired inherited hearing impairment.

Alternative Names

DFNB6; transmembrane inner ear protein

Gene ID

259236

UniProt ID

Q8NEW7