

# Product Information

## **MemDX™ Membrane Protein Human TMEM114 (Transmembrane protein 114) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX2231K**

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

This product is a Human TMEM114 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

TMEM114

#### Protein Length

Full Length

#### Protein Class

Receptor

#### TMD

4

#### Sequence

MRVHLGGLAGAAALTGALSFVLLAAAIGTDFWYIIDTERLERTGPGAQDLLGSINRSQPEPLSSHSGLWRTCRVQSPCTPLMNPFR

### 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**

TMEM114

#### **Full Name**

Transmembrane protein 114

#### **Introduction**

This gene encodes a glycosylated transmembrane protein that plays a role in lens and eye development. Mutations in this gene, including a t(16;22)(p13.3;q11.2) translocation, are associated with congenital and juvenile cataract disorders. Alternative splicing of this gene results in multiple transcript variants.

#### **Alternative Names**

TMEM114; ; Transmembrane protein 114

#### **Gene ID**

[283953](#)

#### **UniProt ID**

[B3SHH9](#)