

# Product Information

## **MemDX™ Membrane Protein Human CLCA1 (Chloride channel accessory 1) Expressed in Wheat germ for Antibody Discovery, Partial (677-776aa)**

Cat. No.: **MPX0056K**

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

This product is a 37 kDa Human CLCA1 membrane protein expressed in Wheat germ. 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**

CLCA1

#### **Protein Length**

Partial (677-776aa)

#### **Protein Class**

Transporter; Ion channel

#### **Molecular Weight**

37 kDa

#### **Sequence**

ALGGVNAARRRVIPQQSGALYIPGWIENDEIQWNPPRPEINKDDVQHKQVCFsRTSSGGsFVASDVPNAPIPDLFPPGQITDLKAEI

### Product Description

#### **Expression Systems**

Wheat germ

#### **Protein Format**

Soluble

#### **Form**

Liquid

#### **Endotoxin**

<0.1 EU/μg by the LAL method

#### **Buffer**

pH: 8.00, Constituents: 0.3% Glutathione, 0.79% Tris HCl

### 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

CLCA1

#### Full Name

Chloride channel accessory 1

#### Introduction

This gene encodes a member of the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same region on chromosome 1p31-p22 and share a high degree of homology in size, sequence, and predicted structure, but differ significantly in their tissue distributions. The encoded protein is expressed as a precursor protein that is processed into two cell-surface-associated subunits, although the site at which the precursor is cleaved has not been precisely determined. The encoded protein may be involved in mediating calcium-activated chloride conductance in the intestine.

#### Alternative Names

CACC; GOB5; CACC1; CLCRG1; CaCC-1; hCLCA1; hCaCC-1; calcium-activated chloride channel regulator 1; CLCA family member 1, chloride channel regulator; calcium-activated chloride channel family member 1; calcium-activated chloride channel protein 1; calcium-dependent chloride channel-1; chloride channel regulator 1; chloride channel, calcium activated, family member 1; CLCA1; Chloride channel accessory 1

#### Gene ID

[1179](#)

#### UniProt ID

[A8K7I4](#)