

## 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

ALGGVNAARRRVIPQQSGALYIPGWIENDEIQWNPPRPEINKDDVQHKQVCF SRTSSGGSFVASDVPNAPIPDLFPPGQITDLKAEI

#### 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](#)