

Recombinant Human CLCA1, His-tagged

Cat. No. CLCA1-11273H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLCA1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-200a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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Gene Name	CLCA1 chloride channel accessory 1 [Homo sapiens]
Official Symbol	CLCA1
Synonyms	CLCA1; chloride channel accessory 1; chloride channel regulator 1 , chloride channel, calcium activated, family member 1; calcium-activated chloride channel regulator 1; CaCC; CLCRG1; chloride channel regulator 1; calcium-dependent chloride channel-1; calcium-activated chloride channel protein 1; CLCA family member 1, chloride channel regulator; calcium-activated chloride channel family member 1; chloride channel, calcium activated, family member 1; CACC; GOB5; CACC1; CaCC-1; hCLCA1; hCaCC-1; FLJ95147;
Gene ID	1179
mRNA Refseq	NM_001285
Protein Refseq	NP_001276
MIM	603906
UniProt ID	A8K7I4
Chromosome Location	1p22.3
Pathway	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Olfactory transduction, organism-specific biosystem; Olfactory transduction, conserved biosystem; Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem;
Function	chloride channel activity;

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