

Recombinant Human CLCA2, GST-tagged

Cat. No. CLCA2-11274H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLCA2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	595-901a.a.
Description	The protein encoded by this gene belongs to the calcium sensitive chloride conductance protein family. To date, all members of this gene family map to the same site on chromosome 1p31-p22 and share high degrees of homology in size, sequence and predicted structure, but differ significantly in their tissue distributions. Since this protein is expressed predominantly in trachea and lung, it is suggested to play a role in the complex pathogenesis of cystic fibrosis. It may also serve as adhesion molecule for lung metastatic cancer cells, mediating vascular arrest and colonization, and furthermore, it has been implicated to act as a tumor suppressor gene for breast cancer.
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 100mM GSH and 1% Triton X-100, 15% glycerol.

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GENE INFORMATION

Gene Name	CLCA2 chloride channel accessory 2 [Homo sapiens]
Official Symbol	CLCA2
Synonyms	CLCA2; chloride channel accessory 2; chloride channel regulator 2 , chloride channel, calcium activated, family member 2; calcium-activated chloride channel regulator 2; CLCRG2; hCLCA2; hCaCC-3; chloride channel regulator 2; calcium-activated chloride channel-2; calcium-activated chloride channel protein 3; CLCA family member 2, chloride channel regulator; calcium-activated chloride channel family member 2; chloride channel, calcium activated, family member 2; CACC; CACC3; CaCC-3; FLJ97885;
Gene ID	9635
mRNA Refseq	NM_006536
Protein Refseq	NP_006527
MIM	604003
UniProt ID	Q9UQC9
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;

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Function

chloride channel activity; ligand-gated ion channel activity;

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