

Recombinant Human CLCA1 protein, GST-tagged

Cat. No. CLCA1-27070TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLCA1(677 a.a. - 776 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	677-776 a.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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.74 kDa
AA Sequence	ALGGVNAARRRVIPQQSGALYIPGWIENDEIQWNPPRPEINKDDVQHKQVCFSRTS SGGSFVASDVPNAPIPDF PPGQITDLKAEIHGGSLINLTWTAP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA