Recombinant Human CLCA1 protein, His-tagged

Cat. No. CLCA1-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLCA1(a.a. 22-695) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	22-695 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	PBS buffer (pH 7.4).
AA Sequence	NSLIQLNNNGYEGIVVAIDPNVPEDETLIQQIKDMVTQASLYLFEATGKRFYFKNVAILI PETWKTKADYVRPKL ETYKNADVLVAESTPPGNDEPYTEQMGNCGEKGERIHLTP DFIAGKKLAEYGPQGRAFVHEWAHLRWGVFDEYNN DEKFYLSNGRIQAVRCSAGIT GTNVVKKCQGGSCYTKRCTFNKVTGLYEKGCEFVLQSRQTEKASIMFAQHVDSI VE FCTEQNHNKEAPNKQNQKCNLRSTWEVIRDSEDFKKTTPMTTQPPNPTFSLLQIGQ

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	RIVCLVLDKSGSMATGN RLNRLNQAGQLFLLQTVELGSWVGMVTFDSAAHVQNELI QINSGSDRDTLAKRLPAAASGGTSICSGLRSAFTVI RKKYPTDGSEIVLLTDGEDNTI SGCFNEVKQSGAIIHTVALGPSAAQELEELSKMTGGLQTYASDQVQNNGLIDA FGA LSSGNGAVSQRSIQLESKGLTLQNSQWMNGTVIVDSTVGKDTLFLITWTMQPPQILL WDPSGQKQGGFVVDK NTKMAYLQIPGIAKVGTWKYSLQASSQTLTLTVTSRASNA TLPPITVTSKTNKDTSKFPSPLVVYANIRQGASPI LRASVTALIESVNGKTVTLELLDN GAGADATKDDGVYSRYFTTYDTNGRYSVKVRALGGVNAARRRVIPQQSG
Purity	> 95% determined by SDS-PAGE.
Storage	For short term, storage it at +4 centigrade, For long term storage, prepare aliquots with 20% glycerol and store at -20 centigrade. Avoid freeze/thaw cycles.
Concentration	0.31 mg/ml

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

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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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