

Recombinant Human CLCN2, His-tagged

Cat. No. CLCN2-11279H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLCN2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Description	This gene encodes a voltage-gated chloride channel. The encoded protein is a transmembrane protein that maintains chloride ion homeostasis in various cells. Defects in this gene may be a cause of certain epilepsies. Four transcript variants encoding different isoforms have been found for this gene.
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

Gene Name	CLCN2 chloride channel, voltage-sensitive 2 [Homo sapiens]
Official Symbol	CLCN2

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Synonyms	CLCN2; chloride channel, voltage-sensitive 2; chloride channel 2; chloride channel protein 2; CIC 2; CLC2; EJM6; ECA2; ECA3; EGI3; EGMA; EJM8; CIC-2; EGI11; cIC-2;
Gene ID	1181
mRNA Refseq	NM_001171087
Protein Refseq	NP_001164558
MIM	600570
UniProt ID	P51788
Chromosome Location	3q26-qter
Pathway	Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;
Function	voltage-gated chloride channel activity; voltage-gated ion channel activity;