

Recombinant Human CLCNKA, GST-tagged

Cat. No. CLCNKA-11281H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLCNKA protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	515-687a.a.
Description	This gene is a member of the CLC family of voltage-gated chloride channels. The encoded protein is predicted to have 12 transmembrane domains, and requires a beta subunit called barttin to form a functional channel. It is thought to function in salt reabsorption in the kidney and potassium recycling in the inner ear. The gene is highly similar to CLCNKB, which is located 10 kb downstream from this gene. Multiple 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 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	CLCNKA chloride channel, voltage-sensitive Ka [Homo sapiens]
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Official Symbol	CLCNKA
Synonyms	CLCNKA; chloride channel, voltage-sensitive Ka; chloride channel Ka; chloride channel protein ClC-Ka; hClC Ka; chloride channel, kidney, A; CLCK1; ClC-K1; hClC-Ka; MGC61490;
Gene ID	1187
mRNA Refseq	NM_001042704
Protein Refseq	NP_001036169
MIM	602024
UniProt ID	P51800
Chromosome Location	1p36
Function	ion channel activity; voltage-gated chloride channel activity; voltage-gated ion channel activity;