

Datasheet for ABIN7553517  
**CLCN1 Protein (AA 1-988) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	CLCN1
Protein Characteristics:	AA 1-988
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLCN1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CLCN1 Protein expressed in mammalian cells.
Sequence:	<p>MEQSRSQQRG GEQSWWGS DP QYQYMPFEHC TSYGLPSENG GLQHRLRKDA GPRHNVHPTQ IYGHHEQFS DREQDIGMPK KTGSSTVDS KDEDHYSKCQ DCIHLRGQVV RRKLGEDGIF LVLLGLLMAL VSWSM DYVSA KSLQAYKWSY AQMQPSLPLQ FLVWVTFPLV LILFSALFCH LISPQAVGSG IPEMKTILRG VVLKEYLTMK AFVAKVVALT AGLGSGIPVG KEGPFVHIAS ICAAVLSKFM SVFCGVYEQP YYSDILTVG CAVGVGCCFG TPLGGVLSI EVTSTYFAVR NYWRGFFAAT FSAFVFRVLA VWNKDAVTIT ALFRTNFRMD FPDFLKEPFAAIGICCGL LGAVFVYLHR QVMLGVRKHK ALSQFLAKHR LLYPGIVTFV IASFTFPPGM GQFMAGELMP REAISTLFDN NTWVKHAGDP ESLGQSAVWI HPRVNVVIII FLFFVMKFWM SIVATTMPIP CGGFMPVFLV GAAFGRVLGE IMAMLPFDGI LFDDIYKIL PGGYAVIGAA ALTGAVSHTV STAVICFELT GQIAHILPMM VAVILANMVA QSLQPSLYDS IIQVKKLPYL PDLGWNQLSK YTIFVEDIMV RDVKFVSASY TYGELRLLQ TTTVKTLPLV DSKDSMILLG SVERSELQAL LQRHLCPERR LRAAQEMARK LSELPYDGKA RLAGEGLPGA PPGRPESFAF VDEDEDEDLS</p>

## Product Details

---

GKSELPPSLA LHPSTTAPLS PEEPNGPLPG HKQQPEAPEP AGQRPSIFQS LLHCLLGRAR  
PTKKKTTQDS TDLVDNMSPE EIEAWEQEQL SQPVCFDSCC IDQSPFQLVE QTTLHKHTL  
FSLGLHLAY VTSMGKLRGV LALEELQKAI EGHTKSGVQL RPPLASFRNT TSTRKSTGAP  
PSSAENWNLP EDRPGATGTG DVIAASPETP VPSPSPEPPL SLAPGKVEGE LEELELVES  
GLEEELADIL QGPSLRSTDE EDEDELIL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

---

**Target:** CLCN1

**Alternative Name:** CLCN1 ([CLCN1 Products](#))

**Background:** Chloride channel protein 1 (CLC-1) (Chloride channel protein, skeletal muscle),FUNCTION: Voltage-gated chloride channel (PubMed:8112288, PubMed:9122265, PubMed:12456816). Plays an important role in membrane repolarization in skeletal muscle cells after muscle contraction. The CLC channel family contains both chloride channels and proton-coupled anion

## Target Details

---

transporters that exchange chloride or another anion for protons (Probable). The absence of conserved gating glutamate residues is typical for family members that function as channels (Probable). {ECO:0000269|PubMed:12456816, ECO:0000269|PubMed:22521272, ECO:0000269|PubMed:26007199, ECO:0000269|PubMed:26502825, ECO:0000269|PubMed:26510092, ECO:0000269|PubMed:7951242, ECO:0000269|PubMed:8112288, ECO:0000269|PubMed:9122265, ECO:0000269|PubMed:9736777, ECO:0000305|PubMed:29809153}.

---

Molecular Weight: 108.6 kDa

---

UniProt: [P35523](#)

## Application Details

---

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Buffer: The buffer composition is at the discretion of the manufacturer.

---

Handling Advice: Avoid repeated freeze-thaw cycles.

---

Storage: -80 °C

---

Storage Comment: Store at -80°C.

---

Expiry Date: 12 months