

Datasheet for ABIN7563987
CLCN1 Protein (AA 1-994) (His tag)



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Overview

Quantity:	1 mg
Target:	CLCN1
Protein Characteristics:	AA 1-994
Origin:	Mouse
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:	MERSQSQRHG GEQSWWGSAP QYQYMPFEHC TSYGLPSENG GLQHRPRKDM GPRHNAHPTQ IYGHQKEQYS YKAQDGGMPK KMGSSSTMDS LDEDHYSKCQ DCVHRLGRVL RRLGEDWIF LVLLGLLMAL VSWCMDYVSA KSLQAYKWTY AQMKPSLPLQ YLAWVTFPLI LILFSALFCQ LISPQAVGSG IPEMKTILRG VVLKEYLTLK AFVAKVVALT AGLGSGIPVG KEGPFVHIAS ICAAVLSKFM SMFSGVYEQP YYYTDILTVG CAVGVGCCFG TPLGGVLSI EVTSTYFAVR NYWRGFFAAT FSAFVFRVLA VWNKDAVTIT ALFRTNFRMD FPDFLKEKPA FAVIGICCGF LGAVFVYLHR QVMLGVRKHK CLSQFLAKHR LLYPGIVTFV IASLTFPPGM GQFMAGELMP REAISTLFDN NTWVKHIGDP QSLGQSAVWL HPQVNVIII LFFVMKFWM SIVATTMPIP CGGFMPVFLV GAAFGRVLGE IMAMLFPEGI LFDIIYKIL PGGYAVIGAA ALTGAVSHTV STAVICFELT GQIAHILPMM VAVILANMVA QSLQPSLYDS IIQVKKLPYL PDLGWNQLSK FTIFVEDIMV RDVKFVSASC TYGELRNLLQ ATTVKTLPLV DSKDSMILLG SVERSELQSL LQRHLCAERR LKAAQDMARK LSELPYNGKA QLAGDWHPPG RPESFAFVDE DEDEDLSRKM

Product Details

ELPLTPAPPP PSPPPPPSQF PIAPSNPEEP NGPLPSHKQP PEASDSADQR SSTFQRLLHC
LLGKAHSHKKK KITQDSTDLV DNMSPEEIEA WEREQLSQPV CFDCCCIDQS PFQLVEQTTL
HKHTLFSLL GLHLAYVTSM GKLRGVLALE ELQKAIEGHT KSGVQLRPPL ASFRNTTSIR
KTPGGPPPPA EGWNVPEDGD GAPGREVMVP TMPETPVPPP SPEAPSCLAP ARAEGELEEL
EMVGSLEPEE ELADILHGPS LRSTDEEDED ELIL

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 (By similarity). Plays an important role in membrane repolarization in skeletal muscle cells after muscle contraction (Probable) (PubMed:8119941).

Target Details

{ECO:0000250|UniProtKB:P35523, ECO:0000269|PubMed:8119941,
ECO:0000305|PubMed:1659665}.

Molecular Weight: 109.8 kDa

UniProt: [Q64347](#)

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