

Datasheet for ABIN7562322  
**CLCN6 Protein (AA 1-870) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CLCN6
Protein Characteristics:	AA 1-870
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLCN6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Clcn6 Protein expressed in mammalien cells.
Sequence:	<p>MAGCRGSVCC CCRWCCCCGE RESRTPEELT ILGETQEEED EILPRKDYES LDYDRCINDP  YLEVLETMDN KKGRRYEAVK WMVVFAIGVC TGLVGLFVDF SVRLFTQLKF GVVQTSVEEC  SQKGCLALSL LELLGFNLTFL VFLASLLVLI EPVAAGSGIP EIKCYLNGVK VPGIVRLRTL  LCKVFGVLFS VSGGLFVGKE GPMIHSGAVV GAGLPQFQSI SLRKIQFNFP YFRSDRDKRD  FVSAGAAAGV AAAFGAPIGG TLFSLEEGSS FWNQGLTWKV LFCSMSATFT LNFFRSGIQF  GSWGSFQLPG LLNFGEFKCS DSDKKCHLWT AMDLGGFFVVM GVIGLLGAT FNCLNKRLAK  YRMRNVHPKP KLVRVLESLL VSLVTTVVVF VASMVLGECR QMSSTSQTGN GSFQLQVTSE  DVNSTIKAFF CPNDTYNDMA TLFNSQESA ILQLFHQDGT FSPVTLALFF ILYFLLACWT  FGTSVPSGLF VPSLLCGAAF GRLVANVLKS YIGLGHLYSG TFALIGAAA F LGGVVRMTIS  LTVILIESTN EITYGLPIMV TLMVAKWTGD LFNKGIYDVH IGLRGVPLLE WETDVEMDKL  RASDIMEPNL TYVYPHTRIQ SLVSILRTTV HHAFPVVTEN RGNEKEFMKG NQLISNNIKF</p>

## Product Details

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KKSSILTRAG EQRKRGQSMK SYPSSSELRNV CDEHVASEEP AEKEDLLQQM LERRYTPYPN  
LYPDQSPSED WTMEERFRPL TFHGLVLR SQ LVTLVLRGVC YSESQSSASQ PRLSYAEMAE  
DYPRYPDIHD LDLTLLNPRM IVDVTPYMNP SPFTVSPNTH VSQVFNLFRM MGLRHLPPVN  
AVGEIVGIIT RHNLTFNEFLQ ARLRQHYQTL **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

CLCN6

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### Alternative Name:

Clcn6 ([CLCN6 Products](#))

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### Background:

H(+)/Cl(-) exchange transporter 6 (Chloride channel protein 6) (CLC-6) (Chloride transport protein 6),FUNCTION: Voltage-gated channel mediating the exchange of chloride ions against protons. Functions as antiporter and contributes to the acidification of the late endosome lumen. The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons. The presence of conserved gating glutamate residues is typical for family members that function as antiporters.

## Target Details

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{ECO:0000269|PubMed:16950870}.

Molecular Weight: 97.0 kDa

UniProt: [O35454](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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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