

Datasheet for ABIN7562557  
**CLCN7 Protein (AA 1-803) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CLCN7
Protein Characteristics:	AA 1-803
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLCN7 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Clcn7 Protein expressed in mammalian cells.
Sequence:	MANVSKKVSWSGRDRDDEEGAPLLRRTGQPDEETPLLNGAGPGARQSHSALFRIGQMNNV ELDDELLDPEVDPPTHFPKEIPHNEKLLSLKYESLDYDNSENQLFLEERINHTAFRTV EIKRWVICALIGILTGLVACFIDIWENLAGLKYRVIKDNIDKFTEKGGLSFSLLLWATL NSAFVLVGSVIVAFIEPVAA GSGIPQIKCF LNGVKIPHVVRLKTLVIKVS GVILSVVGG AVGKEGPMIHSGSVIAAGISQGRSTSLKRD FKIFEYFRRDTEKRDFVSAGAAAGVSAAFG APVGGVLFSL EEGASFWNQFLTWRIFASMISTFTLNFLVLSIYHGNMWDLSSPGLINFR FDSEKMAYTIHEIPVFIAMGVGGILGAVFNALNYWLTMFRIRYIHRPCLQVIEAMLVAA VTATVAFVLIYSSRDCQPLQGSSMSYPLQLFCADGEYNSMAAFFNTPEKSVVSLFHDP GSYNPMTLGLFTLVYFFLACWTYGLTVSAGVFIPSLLIGAAWGRLFGISLSYLTGAAIWA DPGKYALMGA AAQLGGIVRMTLSLTVIMMEATSNVTYGFPIMLVLMTAKIVGDVFIGLY DMHIQLQSVPFLHWEAPVTS HSLTAREVMS TPVTCLERRREKVGIIVDVLSDTASNHNHGF VVEDVGDTPQARLQGLILRS QLIVLLKHKV FVERSNMGLVQRRLRLKDFRDAYPRFPPIQ

## Product Details

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SIHVSQDERE CTMDLSEFMN PSPYTVPQEA SLPRVFKLFR ALGLRHLVWV DNHNQVVGLV  
TRKDLARYRL GKGGLEELSL AQT **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

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Target: CLCN7

Alternative Name: Clcn7 ([CLCN7 Products](#))

Background: H(+)/Cl(-) exchange transporter 7 (Chloride channel 7 alpha subunit) (Chloride channel protein 7) (ClC-7),FUNCTION: Slowly voltage-gated channel mediating the exchange of chloride ions against protons (PubMed:16525474, PubMed:19661288). Functions as antiporter and contributes to the acidification of the lysosome lumen and may be involved in maintaining lysosomal pH (PubMed:16525474, PubMed:19661288). The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons (By similarity). The presence of conserved gating glutamate residues is

## Target Details

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typical for family members that function as antiporters (By similarity).  
{ECO:0000250|UniProtKB:P35523, ECO:0000269|PubMed:16525474,  
ECO:0000269|PubMed:19661288}.

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Molecular Weight: 88.7 kDa

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UniProt: [O70496](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months