

Datasheet for ABIN7553504
CLCN4 Protein (AA 1-760) (His tag)



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Overview

Quantity:	1 mg
Target:	CLCN4
Protein Characteristics:	AA 1-760
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLCN4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat CLCN4 Protein expressed in mammalian cells.
Sequence:	MVNAGAMSGS GNLMDFLDEP FPDVGTYEDF HTIDWLREKS RDTDRHRKIT SKSKESIWEF IKSLLDAWSG WVMMLLIGLL AGTLAGVIDL AVDWMTDLKE GVCLSAFWYS HEQCCWTSNE TTFEDRDKCP LWQKWESELLV NQSEGASAYI LNYLMYILWA LLFAFLAVSL VRFVAPYACG SGIPEIKTIL SGFIIRGYLG KWTLLIKTVT LVLVSSGLS LGKEGPLVHV ACCCGNFFSS LFSKYSKNEG KRREVLAAA AAGVSVAFGA PIGGVLSLE EVSYYFPLKT LWRSFFAALV AAFTLRSINP FGNSRLVLFY VEYHTPWYMA ELFPFILLGV FGGLWGTLFI RCNIAWCRRR KTTRLGKYPV LEVIVTAIT AIIAYPNPYT RQSTSELISE LFNDCGALES SQLCDYINDP NMTRPVDDIP DRPAGVGVYT AMWQLALALI FKIVTIFTF GMKIPSGLFI PSMVGAIAAG RMVGIGVEQL AYHHHDWIIIF RNWCRPGADC VTPGLYAMVG AAACLGGVTR MTVSLVVIMF ELTGGLEYIV PLMAAAVTSK WVADAFGKEG IYEAHIHLNG YPFLDVKDEF THRTLATDVM RPRRGEPPLS VLTQDSMTVE DVETLIKETD YNGFPVVVSR DSERLIGFAQ RRELILAIKN

Product Details

ARQRQEGIVS NSIMYFTEEP PELPANSPPH LKLRRILNLS PFTVTDHTPM ETVVDIFRKL
GLRQCLVTRS GRLLGIITKK DVLRHMAQMA NQDPESIMFN **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

CLCN4

Alternative Name:

CLCN4 ([CLCN4 Products](#))

Background:

H(+)/Cl(-) exchange transporter 4 (Chloride channel protein 4) (ClC-4) (Chloride transporter ClC-4),FUNCTION: Strongly outwardly rectifying, electrogenic H(+)/Cl(-)exchanger which mediates the exchange of chloride ions against protons (PubMed:18063579, PubMed:28972156, PubMed:23647072, PubMed:27550844, PubMed:25644381). The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons (PubMed:29845874). The presence of conserved gating glutamate residues is typical for family members that function as antiporters (PubMed:29845874).
{ECO:0000269|PubMed:18063579, ECO:0000269|PubMed:23647072,

Target Details

ECO:0000269|PubMed:25644381, ECO:0000269|PubMed:27550844,
ECO:0000269|PubMed:28972156, ECO:0000303|PubMed:29845874}.

Molecular Weight: 84.9 kDa

UniProt: [P51793](#)

Application Details

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

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