

Datasheet for ABIN7553490  
**CLCNKA Protein (AA 1-687) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CLCNKA
Protein Characteristics:	AA 1-687
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLCNKA protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant CLCNKA Protein expressed in mammalian cells.
Sequence:	MEELVGLREG FSGDPVTLQE LWGPCPHIRR AIQGGLEWLK QKVFR LGEDW YFLMTLGVLM ALVSYAMNFA IGCVVRAHQW LYREIGDSDL RYLSWTVYP VALVSFSSGF SQSITPSSGG SGIPELKTML AGVILEDYLD IKNFGAKVVG LSCTLATGST LFLGKVGPFV HLSVMIAAYL GRVRTTTIGE PENKSKQNEM LVAAAAVGVA TVFAAPFSGV LFSIEVMSSH FSVRDYWRGF FAATCGAFIF RLLAVFNSEQ ETITSLYKTS FRVDVPFDLP EIFFFVALGG ICGVLS CAYL FCQRTFLSFI KTNRYSSKLL ATSKPVYSAL ATLLASITY PPGVGHFLAS RLSMKQH LDS LFDNHSWALM TQNSSPPWPE ELD PQHLWWE WYHPRFTIFG TLAFFLVMKF WMLILATTIP MPAGYFMPIF ILGAAIGRLL GEALAVAFPE GIVTGGVTNP IMPGGYALAG AAASF GAVTH TISTALLAFE LTGQIVHALP VLMAVLAANA IAQSCQPSFY DGTIIVKKLP YLPRILGRNI GSHHVRVEHF MNHSITTLAK DTPLEEVVKV VTSTDVTEYP LVESTESQIL VGIVQRAQLV QALQAEPSPR APGHQQCLQD ILARGCPTPE VTLTLFSETT LHQAQNLFKL LNLQSLFVTS RGRAVGCVSW VEMKKAISNL TNPPAPK <b>Sequence without tag. The proposed Purification-</b>

## Product Details

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**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:** CLCNKA

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

**Background:** Chloride channel protein ClC-Ka (Chloride channel Ka) (ClC-K1),FUNCTION: Voltage-gated chloride channel. Chloride channels have several functions including the regulation of cell volume, membrane potential stabilization, signal transduction and transepithelial transport. May be important in urinary concentrating mechanisms.

**Molecular Weight:** 75.3 kDa

**UniProt:** [P51800](#)

**Pathways:** [Response to Water Deprivation](#)

## 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

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## 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

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