

Datasheet for ABIN7556273

CLCNKA Protein (AA 1-687) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CLCNKA
Protein Characteristics:	AA 1-687
Origin:	Mouse
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:	<p>MEELVGLREG SSGKPVTLQE LWGPCPRIRR GIRGGLEWLK ERLFRAREDW YFLVALGVLM</p> <p>ALISYAMNFA IGRVVRANKW LYREVGDLHL LRYLSWTVYP VALLSFSSGF QSITPFSGG</p> <p>SGLPELKTML SGVVLENYLD IKNFGAKVVG LSCTLATGST IFLGKVGPFV HLSVMISAYL</p> <p>GRVRAKAVGD TESKAKEVEM LSAAAAGVGA TVFAAPFSGV LFSIEVMSSH FSVWNYWRGF</p> <p>FAATCGAFMF RLLAVFNSEQ ETITSIYKTR FRVDVPFDLP EIFFFVALGF ICGILSCVYL</p> <p>FCQRNFLRFI KTNRYTSKLL ATSKPSYAAL VALVLASVTY PPGVGRFMAS RLSMAEHLHS</p> <p>LFDNNSWALM TRNASPPWPS EPDPQNLWFE WYHPRFTIFG TLAFFLIMKF WMLILATTIP</p> <p>MPAGYFMPIF IIGAAIGRLL GEALSVAFFE GIVAGGEVYP IMPGGYALAG AAASFSGAVTH</p> <p>TISTALLAFE LTGQIVHALP VLMAVLAANV ISQNLQPSFY DGTIMAKKLP YLPWIRGRQI</p> <p>GSYPVTVEHF MNSNLTTLAK DMPLEEVVKV VTSTDVSQYP LVETRESQTL VGIVERTHLV</p> <p>QALQTQPASW APGQERFLQD ILAGGCPTQP VTLQLSPETS LYQAHRLFEL LTLQALFVTS</p> <p>RGRAVGSVSW VELKKAISTL INPPAPK Sequence without tag. The proposed Purification-Tag</p>

Product Details

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

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. May be the basolateral chloride channel mediating net chloride absorption in CTAL cells.
Molecular Weight:	75.7 kDa
UniProt:	Q9WUB7
Pathways:	Response to Water Deprivation

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