Datasheet for ABIN7565174

CLCN2 Protein (AA 1-908) (His tag)

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Overview

Quantity:	1 mg
Target:	CLCN2
Protein Characteristics:	AA 1-908
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLCN2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Clcn2 Protein expressed in mammalian cells.
Sequence:	MAAATAAAAA AAAAGEGMEP RALQYEQTLM YGRYTQELGA FAKEEAARIR LGGPEPWKGS PSARATPELL EYGQSRCARC RICSVRCHKF LVSRVGEDWI FLVLLGLLMA LVSWAMDYAI AVCLQAQQWM SRGLNTNILL QYLAWVTYPV VLITFSAGFT QILAPQAVGS GIPEMKTILR GVVLKEYLTL KTFVAKVIGL TCALGSGMPL GKEGPFVHIA SMCAALLSKF LSLFGGIYEH ESRNTEMLAA ACAVGVGCCF AAPIGGVLFS IEVTSTFFAV RNYWRGFFAA TFSAFIFRVL AVWNRDEETI TALFKTRFRL DFPFDLQELP AFAVIGIASG FGGALFVYLN RKIVQVMRKQ KTINRFLMRK RLLFPALVTL LISTLTFPPG FGQFMAGQLS QKETLVTLFD NRTWVRQGLV EDLELPSTSQ AWSPPRANVF LTLVIFILMK FWMSALATTI PVPCGAFMPV FVIGAAFGRL VGESMAAWFP DGIHTDSSTY RIVPGGYAVV GAAALAGAVT HTVSTAVIVF ELTGQIAHIL PVMIAVILAN AVAQSLQPSL YDSIIRIKKL PYLPELGWGR HQQYRVRVED IMVRDVPHVA LSCTFRDLRL ALHRTKGRML ALVESPESMI LLGSIERSQV VALLGAQLSP ARRRQHMQKL RKAQLSPPSD QESPPSSETS IRFQVNTEDS GFSGAHGQTH KPLKPALKRG PSNSTSLQEG

Product Details

	TTGNMESAGI ALRSLFCGSP PLEATSELEK SESCDKRKLK RVRISLASDS DPEAEMSPEE ILEWEEQQLD EPVNFSDCKI DPAPFQLVER TSLHKTHTIF SLLGVDHAYV TSIGRLIGIV TLKELRKAIE GSVTAQGVKV RPPLASFRDS ATSSSDTETT EVHALWGPRS RHGLPREGTP SDSDDKCQ **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

Target:	CLCN2
Alternative Name:	Clcn2 (CLCN2 Products)
Background:	Chloride channel protein 2 (ClC-2),FUNCTION: Voltage-gated chloride channel. Chloride channels have several functions including the regulation of cell volume, membrane potential stabilization, signal transduction and transepithelial transport (By similarity). Involved in the regulation of aldosterone production. The opening of CLCN2 channels at hyperpolarized membrane potentials in the glomerulosa causes cell membrane depolarization, activation of

Target Details

	voltage-gated Ca2+ channels and increased expression of aldosterone synthase, the rate-limiting enzyme for aldosterone biosynthesis (By similarity). {ECO:0000250|UniProtKB:P35525, ECO:0000250|UniProtKB:P51788}.
Molecular Weight:	99.4 kDa
UniProt:	Q9R0A1

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