Datasheet for ABIN7563395

CLCN3 Protein (AA 1-818) (His tag)

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Overview

Quantity:	1 mg
Target:	CLCN3
Protein Characteristics:	AA 1-818
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CLCN3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Clcn3 Protein expressed in mammalian cells.
Sequence:	MESEQLFHRG YYRNSYNSIT SASSDEELLD GAGAIMDFQT SEDDNLLDGD TAAGTHYTMT NGGSINSSTH LLDLLDEPIP GVGTYDDFHT IDWVREKCKD RERHRRINSK KKESAWEMTK SLYDAWSGWL VVTLTGLASG ALAGLIDIAA DWMTDLKEGI CLSALWYNHE QCCWGSNETT FEERDKCPQW KTWAELIIGQ AEGPGSYIMN YIMYIFWALS FAFLAVSLVK VFAPYACGSG IPEIKTILSG FIIRGYLGKW TLMIKTITLV LAVASGLSLG KEGPLVHVAC CCGNIFSYLF PKYSTNEAKK REVLSAASAA GVSVAFGAPI GGVLFSLEEV SYYFPLKTLW RSFFAALVAA FVLRSINPFG NSRLVLFYVE YHTPWYLFEL FPFILLGVFG GLWGAFFIRA NIAWCRRRKS TKFGKYPVLE VIIVAAITAV IAFPNPYTRL NTSELIKELF TDCGPLESSS LCDYRNDMNA SKIVDDIPDR PAGVGVYSAI WQLCLALIFK IIMTVFTFGI KVPSGLFIPS MAIGAIAGRI VGIAVEQLAY YHHDWFIFKE WCEVGADCIT PGLYAMVGAA ACLGGVTRMT VSLVVIVFEL TGGLEYIVPL MAAVMTSKWV GDAFGREGIY EAHIRLNGYP FLDAKEEFTH TTLAADVMRP RRSDPPLAVL TQDNMTVDDI ENMINETSYN GFPVIMSKES QRLVGFALRR DLTIAIESAR KKQEGIVGSS

Product Details

	RVCFAQHTPS LPAESPRPLK LRSILDMSPF TVTDHTPMEI VVDIFRKLGL RQCLVTHNGI VLGIITKKDI LRHMAQTANQ DPASIMFN **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:	CLCN3
Alternative Name:	Clcn3 (CLCN3 Products)
Background:	H(+)/Cl(-) exchange transporter 3 (Chloride channel protein 3) (ClC-3) (Chloride transporter ClC-3),FUNCTION: May influence large dense-core vesicle exocytosis in adrenal chromaffin cells. {ECO:0000269|PubMed:16141072}., FUNCTION: [Isoform 1]: Strongly outwardly rectifying, electrogenic H(+)/Cl(-)exchanger which mediates the exchange of chloride ions against protons (PubMed:26342074). 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 typical for family members that

Target Details

	function as antiporters (By similarity). {ECO:0000250|UniProtKB:P51790, ECO:0000269|PubMed:26342074}., FUNCTION: [Isoform 2]: Strongly outwardly rectifying, electrogenic H(+)/Cl(-)exchanger which mediates the exchange of chloride ions against protons (PubMed:24603049, PubMed:26342074, PubMed:28972156). Facilitates endosomal acidification and chloride accumulation in hepatocytes (PubMed:15504734). {ECO:0000269|PubMed:15504734, ECO:0000269|PubMed:24603049, ECO:0000269|PubMed:26342074, ECO:0000269|PubMed:28972156}., FUNCTION: [Isoform 4]: Strongly outwardly rectifying, electrogenic H(+)/Cl(-)exchanger which mediates the exchange of chloride ions against protons. {ECO:0000269|PubMed:26342074}.
Molecular Weight:	90.8 kDa
UniProt:	P51791

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

