

Datasheet for ABIN7555390
SLC4A4 Protein (AA 1-1079) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC4A4
Protein Characteristics:	AA 1-1079
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC4A4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC4A4 Protein expressed in mammalian cells.
Sequence:	MEDEAVLDRG ASFLKHVCDE EEVEGHHTIY IGVHVPKSYR RRRRHKRKTG HKEKKEKERI SENYSDKSDI ENADESSSI LKPLISPAE RIRFILGEED DSPAPPQLFT ELDELLAVDG QEMEWKETAR WIKFEEKVEQ GGERWSKPHV ATLSLHSLFE LRTCMEKCSI MLDREASSLP QLVEMIVDHQ IETGLLKPEL KDKVTYTLR KHRHQTKKSN LRSLADIGKT VSSASRMFTN PDNGSPAMTH RNLTSSSLND ISDKPEKDQL KNKFMKKLPR DAEASNVLVG EVDFLDTPFI AFVRLQQAVM LGALTEVPVP TRFLFILLGP KGKAKSYHEI GRAIATLMSD EVFHDIAYKA KDRHDLIAGI DEFLDEVIVL PPGEWPAIR IEPPKSLPSS DKRKNMYSGG ENVQMNGDTP HDGGHGGGGH GDCEELQRTG RFCGGLIKDI KRKAPFFASD FYDALNIQAL SAILFIYLAT VTNAITFGGL LGDATDNMQG VLESFLGTAV SGAIFCLFAG QPLTILSSTG PVLVFERLLF NFSKDNDFDY LEFRLWIGLW SAFLCLILVA TDASFLVQYF TRFTEEGFSS LISFIFIYDA FKKMIKLADY YPINSNFKVG YNTLFSCTCV PDPANISIS NDTTLAPEYL PTMSSTDMYH NTTFDWAFLS KKECKSYGGN LVGNCCNFVP DITLMSFILF LGTYTSSMAL KKFKTSPYFP

Product Details

TTARKLISDF AIILSILIFC VIDALVGVDT PKLIVPSEFK PTSPNNGWFV PPFGENPWWW
CLAAAIPALL VTILIFMDQQ ITAVIVNRKE HKLKKGAGYH LDLFWVAILM VICSLMALPW
YVAATVISIA HIDSLKMETE TSAPGEQPKF LGVREQRVTG TLVFILTLGLS VFMAPILKFI
PMPVLYGVFL YMGVASLNGV QFMDRLKLLL MPLKHQPDFI YLRHVPLRRV HLFTFLQVLC
LALLWILKST VAAIIFPVM I LALVAVRKGM DYLFSDHDLS FLDDVIPEKD KKKKEDEKKK
KKKKGSLDSD NDDSDCPYSE KVPSIKIPMD IMEQQPFLSD SKPSDRERSP TFLERHTSC

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: SLC4A4

Alternative Name: SLC4A4 ([SLC4A4 Products](#))

Background: Electrogenic sodium bicarbonate cotransporter 1 (Sodium bicarbonate cotransporter) (Na⁽⁺⁾/HCO₃⁽⁻⁾ cotransporter) (Solute carrier family 4 member 4) (kNBC1),FUNCTION:

Target Details

Electrogenic sodium/bicarbonate cotransporter with a Na(+):HCO₃(-) stoichiometry varying from 1:2 to 1:3. May regulate bicarbonate influx/efflux at the basolateral membrane of cells and regulate intracellular pH. {ECO:0000269|PubMed:10069984, ECO:0000269|PubMed:11744745, ECO:0000269|PubMed:12411514, ECO:0000269|PubMed:12730338, ECO:0000269|PubMed:12907161, ECO:0000269|PubMed:14567693, ECO:0000269|PubMed:15218065, ECO:0000269|PubMed:15713912, ECO:0000269|PubMed:15817634, ECO:0000269|PubMed:15930088, ECO:0000269|PubMed:16636648, ECO:0000269|PubMed:16769890, ECO:0000269|PubMed:17661077, ECO:0000269|PubMed:23324180, ECO:0000269|PubMed:23636456, ECO:0000269|PubMed:29500354, ECO:0000269|PubMed:9235899, ECO:0000269|PubMed:9651366}.

Molecular Weight: 121.5 kDa

UniProt: [Q9Y6R1](#)

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