

Datasheet for ABIN7555430
SLC4A8 Protein (AA 1-1093) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC4A8
Protein Characteristics:	AA 1-1093
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC4A8 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC4A8 Protein expressed in mammalien cells.
Sequence:	MPAAGSNEPD GVLSYQRPDE EAVVDQGGTS TILNIHYEKE ELEGHRTLIV GVRMPLGRQS HRHHRTHGQK HRRRGRGKGA SQGEEGLEAL AHDTPSQRVQ FILGTEEDEE HVPHELFTL DEICMKEGED AEWKETARWL KFEEDVEDGG ERWSKPYVAT LSLHSLFELR SCLINGTVLL DMHANSIEEI SDLILDQQEL SSDLNDSMRV KVREALLKKH HHQNEKKRNN LIPIVRSFAE VGKKQSDPHL MDKHGQTVSP QSVPTTNLEV KNGVNCEHSP VDLSKVDLHF MKKIPTGAEA SNVLVGEVDI LDRPIVAFVR LSPAVLLSGL TEVPIPTRFL FILLGPVGKG QQYHEIGRSM ATIMTDEIFH DVAYKAKERD DLLAGIDFL DQVTVLPPGE WDPSIRIEPP KNVPSQEKRK MPGVPNGNVC HIEQEPHGGH SGPELQRTGR LFGGLVLDIK RKAPWYWSY RDALSLQCLA SFLFLYCACM SPVITFGGLL GEATEGRISA IESLFGASMT GIAYSLFAGQ ALTILGSTGP VLVFEKILFK FCKDYALSYL SLRACIGLWT AFLCIVLVAT DASSLVCYIT RFTEEFASL ICIIFIYEA EKLIHLAETY PIHMHSQLDH LSLYYCRCTL PENPNNHTLQ YWKDHNIVTA EVHWANLTVS

Product Details

ECQEMHGEFM GSACGHHGPY TPDVLFWSCI LFFTTFILSS TLKTFKTSRY FPTRVRSMVS
DFAVFLTIFT MVIIDFLIGV PSPKLQVPSV FKPTRDDRGW IINPIGPNPW WTVIAAIIPA LLCTILIFMD
QQITAVIINR KEHKLKKGCG YHLDLLMVAI MLGVCSIMGL PWFVAATVLS ITHVNSLKLE
SECSAPGEQP KFLGIREQRV TGLMIFVLMG CSVFMTAILK FIPMPVLYGV FLYMGVSSLQ
GIQFFDRLKL FGMPAKHQPD FIYLRHVPLR KVHLFTLIQL TCLVLLWVIK ASPAAIVFPM
MVLALVFVRK VMDLCFSKRE LSWLDDLMPK SKKKKLDDAK KKAKEEEEEAE KMLEIGGDKF
PLESRKLLSS PGKNISCRCD PSEINISDEM PKTTVWKALS MNSGNAKEKS LFN **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

SLC4A8

Alternative Name:

SLC4A8 ([SLC4A8 Products](#))

Background:

Electroneutral sodium bicarbonate exchanger 1 (Electroneutral Na(+)-driven Cl-HCO₃ exchanger) (Solute carrier family 4 member 8) (k-NBC3),FUNCTION: Mediates electroneutral sodium- and carbonate-dependent chloride-HCO₃(-) exchange with a Na(+):HCO₃(-)

Target Details

stoichiometry of 2:1 (PubMed:18577713). Plays a major role in pH regulation in neurons (By similarity). Mediates sodium reabsorption in the renal cortical collecting ducts (By similarity). {ECO:0000250|UniProtKB:Q8JZR6, ECO:0000269|PubMed:18577713}.

Molecular Weight: 122.9 kDa

UniProt: [Q2Y0W8](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. 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