

Datasheet for ABIN7564151

SLC9A10 Protein (AA 1-1175) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SLC9A10 (SLC9C1)
Protein Characteristics:	AA 1-1175
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC9A10 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Slc9c1 Protein expressed in mammalian cells.
Sequence:	MEMEEISENL TASHSIKLTN MWLELLKSVF LSTPQDLPEI ILISLICTV GAFLNMHLKD FPIPLPVILF LIGCCFEILS FASTQIQIYA DAIQWMDPDI FFGIFTPVII FNVAFDMDIY MLQKLFWQIL VITIPGFLIN YTLILWYLS VNKLSLKTVP WLLFSAVLIS SDPMLTSASI RDLGLSRSLT NLINGESLLT SVLSLVIYSG VVHIRFKSKS VNHTLAHKVM STAWSYIVES FITGIVFTKV IQLWMATIFG DDVNHITLIF SVLYLIFYVC ELVGMSGIFT LATIGLFLNS TSFKPGVEAF LLEFWNCLSF IGFLMVFTFI GLLIPAHTYL HISFSDVYYS LNIYFTLIVL RLLVFLLMSP ILSRLGHGFS WRWAFIMVWS EMKGTPNINM ALLLAYSDIS LGSERERSQI LFHGVSVCVI TLIVNRFILP MAVTKLGLRD VTSTKYKSVY YTFQHFQELT KSTAMALKFD KDLANADWNM VDNAILQNP YAMNQEEITE HQKVKPCDCN KEIDETLNIE AMELTNRRLL SAQIASYQRQ YRNEVLSQSA VQVLVGAAGS FGEKKGEYMS PENIKNFSES KKLLSFLRKL LLNWVYNTKK DKGVPSPRYMF LHACHRIVFT NEFEYTG YLV VLMSTYPMII CWISRLKDIY DNEIKCANY Y FLAFYILEAL LKVAAMRKEF FSHTWLLFEL GITLVGVLDI ILIETDSISY NFDLTETTVF MNVIRLLRIL RILKLVT PKL

LQIIDKRMSQ QISFRYSILK GYVQGEMDVL NIIDQIASSK QTKQILLKRV MRNMEHAMKE
LGYLEYDHPE IAVTMKTKEE INVMLNMARE IVKAFRSKGI IHKVEGTEIN KLIMAKKIQV
LDLQSVIQPF NVEEAPCNIP WLSEDPEAIT FIQEKAKVVT FDCGNNIFEE GDEPEGIYVI
ISGMVKLKRS KPHLEMERS AESEIKIHPL PHTEYLLSGE IIGELNCLTK ERMQYSATCK
TVVETYFIPI SHLYEGFEKR CPNMKHKMWQ KIGLAITAQK IREHLSFEDW NYKLQLKLCN
AFIRDIPKSM KTDIYDETVT HVVLIHGSAE DCQLRKIYKA PFLIPVTCHQ IQGMEDFTKV
MIIQTSIAVR KFRWNVVKYI PPRRISMKPD SERESFETLD ETSEEDNGKK ENQENEELIE ENINI

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: SLC9A10 (SLC9C1)

Alternative Name: Slc9c1 ([SLC9C1 Products](#))

Background: Solute carrier family 9 member C1 (Na⁽⁺⁾/H⁽⁺⁾ exchanger 10) (NHE-10) (Sodium/hydrogen

Target Details

exchanger 10) (Solute carrier family 10 member 10) (Sperm-specific Na(+)/H(+) exchanger) (sNHE),FUNCTION: Sperm-specific solute carrier involved in intracellular pH regulation of spermatozoa. Required for sperm motility and fertility. Involved in sperm cell hyperactivation, a step needed for sperm motility which is essential late in the preparation of sperm for fertilization. Required for the expression and bicarbonate regulation of the soluble adenylyl cyclase (sAC). {ECO:0000269|PubMed:14634667, ECO:0000269|PubMed:17517652}.

Molecular Weight: 135.5 kDa

UniProt: [Q6UJY2](#)

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