

Datasheet for ABIN7555574

**SLC9A10 Protein (AA 1-1177) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC9A10 (SLC9C1)
Protein Characteristics:	AA 1-1177
Origin:	Human
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:	MAGIFKEFFF STEDLPEVIL TSLLISSIGA FLNRHLEDFP IPVPVILFLL GCSFEVLSFT SSQVQRYANA IQWMSPDLFF RIFTPVVFFT TAFDMDTYML QKLFWQILLI SIPGFLVNYI LVLWHLASVN QLLLKPTQWL LFSAILVSSD PMLTAAAIRD LGLSRSLISL INGESLMTSV ISLITFTSIM DFDQRLQSKR NHTLAEIIVG GICSYIIASF LFGILSSKLI QFWMSTVFGD DVNHISLIFS ILYLIFYICE LVGMSGIFTL AIVGLLLNST SFKAAIETL LLEFWTFLSR IAFLMVFTFF GLLIPAHTYL YIEFVDIYYS LNIYLTIVL RFLTLLIISP VLSRVGHEFS WRWIFIMVCS EMKGMPNINM ALLAYSPLY FGSDKEKSQI LFHGVLVCLI TLVVNRFILP VAVTILGLRD ATSTKYKSVK CTFQHFQELT KSAASALKFD KDLANADWNM IEKAITLENP YMLNEEETTE HQKVKCPHCN KEIDEIFNTE AMELANRRLL SAQIASYQRQ YRNEILSQSA VQVLVGAES FGEKKGKCMS LDTIKNYSES QKTVTFARKL LLNWVYNTK EKEGPSKYFF FRICHTIVFT EEFHVGYLK ILMNIFPFI SWISQLNVIY HSELKHTNYC FLTYILEAL LKIAAMRKDF FSHAWNIFEL AITLIGILHV ILIEIDTIKY IFNETEVIVF IKVVQFFRIL RIFKLIAPKL LQIIDKRMSH QKTFWYGILK GYVQGEADIM

## Product Details

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TIIDQITSSK QIKQMLLKQV IRNMEHAIKE LGYLEYDHPE IAVTVKTKEE INVMLNMATE  
ILKAFGLKGI ISKTEGAGIN KLIMAKKKEV LDSQSIIRPL TVEEVLYHIP WLDKNKDYIN FIQEKAKVVT  
FDCGNDIFEE GDEPKGIYII ISGMVKLEKS KPGLGIDQMV ESKEKDFPII DTDYMLSGEI  
IGEINCLTNE PMKYSATCKT VVETCFIPKT HLYDAFEQCS PLIKQKMWLK LGLAITARKI  
REHLSYEDWN YNMQLKLSNI YVVDIPMSTK TDIYDENLIY VILIHGAVED CLLRKTYRAP  
FLIPITCHQI QSIEDFTKVV IIQTPINMKT FRRNIRKFVP KHKSYLTPGL IGSVGTLEEG IQEERNVKED  
GAHSAATARS PQPCSLGK FNCKESPRIN LRKVRKE **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: SLC9A10 (SLC9C1)

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

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

## Target Details

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exchanger 10) (Solute carrier family 9 member 10) (Sperm-specific Na<sup>(+)</sup>/H<sup>(+)</sup> 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) (By similarity). {ECO:0000250|UniProtKB:Q6UJY2}.

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Molecular Weight: 135.2 kDa

UniProt: [Q4G0N8](#)

## Application Details

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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

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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