

Datasheet for ABIN7552594  
**SLC4A9 Protein (AA 1-983) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SLC4A9
Protein Characteristics:	AA 1-983
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC4A9 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC4A9 Protein expressed in mammalian cells.
Sequence:	MEMKLPGQEG FEASSAPRNI PSGELDSNPD PGTGSPDGP SDTESKELGV PKDPLLFQIL NELLGWPQAL EWRETGSSSA SLLLDMGEMP SITLSTHLHH RWVLFEEKLE VAAGRWSAPH VPTLALPSLQ KLRSLLAEGL VLLDCPAQSL LELVEQVTRV ESLSPELRGQ LQALLLQRPQ HYNQTTGTRP CWGSTHPRKA SDNEEAPLRE QCQNPLRQKL PPGAEAGTVL AGELGFLAQP LGAFVRLRNP VVLGSLTEVS LPSRFFCLLL GPCMLGKGYH EMGRAAAVLL SDPQFQWSVR RASNLHDLA ALDAFLEEVT VLPPGRWDPT ARIPPPKCLP SQHKRLPSQQ REIRGPAVPR L TSAEDRHRH GPHAHSPELQ RTGRLEGGI QDVRRKVPWY PSDFLDALHL QCFSAVLIY LATVTNAITF GLLGDATDG AQQVLESFLG TAVAGAAFCL MAGQPLTILS STGPVLFER LLFSFSRDYS LDYLPFRLWV GIWVATFCLV LVATEASVLV RYFTRFTEEG FCALISLIFI YDAVGKMLNL THTYPIQKPG SSAYGCLCQY PGPGGNESQW IRTRPKDRDD IVSMDLGLIN ASLLPPPECT RQGGHPRGPG CHTVPDIAFF SLLLFLTSFF FAMALKCVKT SRFFPSVVRK GLSDFSSVLA ILLGCGLDAF LGLATPKLMV PREFKPTLPG RGWLVSFPGA NPWWWSVAAA

## Product Details

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LPALLLSILI FMDQQITAVI LNRMEYRLQK GAGFHLDLFC VAVLMLL TSA LGLPWYVSAT  
VISLAHMDSL RRESRACAPG ERPNFLGIRE QRLTGLVFI LTGASIFLAP VLKFI MPV L  
YGIFLYMGVA ALSSIQFTNR VKLLLMPAKH QPDL LRLRHV PLTRVHLFTA IQLACLGLLW  
IIKSTPAAI FPLMLLGLVG VRKALERVFS PQELLWDEL MPEEERSIPE KGLEPEHSFS  
GSDSESELM YQPKAPEINI SVN **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

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**Target:** SLC4A9

**Alternative Name:** SLC4A9 ([SLC4A9 Products](#))

**Background:** Anion exchange protein 4 (AE 4) (Anion exchanger 4) (Sodium bicarbonate cotransporter 5) (Solute carrier family 4 member 9),FUNCTION: Electroneutral Cl(-)/HCO3(-) antiporter that favors chloride ion entry and efflux of hydrogencarbonate and sodium ion across the basolateral membrane and may participate in salivary secretion (PubMed:27114614). Also

## Target Details

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mediates Cl(-)/HCO<sub>3</sub>(-) exchange activity in the presence of K(+) as well as Cs(+), Li(+), and Rb(+) (By similarity). Does not contribute to Cl(-)/HCO<sub>3</sub>(-) exchanger in the apical membrane of the upper villous epithelium (By similarity). {ECO:0000250|UniProtKB:A0A494BA31, ECO:0000269|PubMed:27114614}.

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Molecular Weight: 108.2 kDa

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UniProt: [Q96Q91](#)

## 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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months