

Datasheet for ABIN755536  
**SLC9A3 Protein (AA 1-834) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	SLC9A3
Protein Characteristics:	AA 1-834
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC9A3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant SLC9A3 Protein expressed in mammalian cells.
Sequence:	MWGLGARGPD RGLLLALALG GLARAGGVEV EPGGAHGESG GFQVVTFEWA HVQDPYVIAL WILVASLAKI GFHLSHKVTS VVPESALLIV LGLVLGGIVW AADHIASFTL TPTVFFFYLL PPIVLDAGYF MPNRLFFGNL GTILLYAVVG TVWNAATTGL SLYGVFLSGL MGDQIGLLD FLLFGSLMAA VDPVAVLAVF EEVHVNEVLF IIVFGESLLN DAVTVVLYNV FESFVALGGD NVTGVDCVKG IVSFFVVS LG TLVGVVFAF LLSLVTRFTK HVRIIEPGFV FIISYLSYLT SEMLSLSAIL AITFCGICCQ KYVKANISEQ SATTVRYTMK MLASSAETII FMFLGISAVN PFIWTWNTAF VLLTLVFISV YRAIGVVLQT WLLNRYRMVQ LEPIDQVVLS YGGLRGAVAF ALVVLDDGDK VKEKNL FVST TIIVVFFTVI FQGLTIKPLV QWLKVKRSEH REPRLNEKLH GRAFDHILSA IEDISGQIGH NYLRDKWSHF DRKFLSRVLM RRSAQKSRDR ILNVFHELNL KDAISYVAEG ERRGSLAFIR SPSTDNVVNV DFTPRSSTVE ASVSYLLREN VSAVCLDMQS LEQRRRSIRD AEDMVTHHTL QQYLYKPRQE YKHLYSRHEL TPTDEKQDR EIFHRTMRKR LESFKSTKLG LNQNKKAACL YKRERAQKRR NSSIPNGKLP MESPAQNFTI KEKDLELSDT

## Product Details

---

EEPPNYDEEM SGGIEFLASV TKDTASDSPA GIDNPVFSPD EALDRSLLAR LPPWLSPGET  
VVPSQRARTQ IPYSPGTFGR LMPFRLSSKS VDSFLQADGP EERPPAALPE STHM **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: SLC9A3

Alternative Name: SLC9A3 ([SLC9A3 Products](#))

Background: Sodium/hydrogen exchanger 3 (Na(+)/H(+) exchanger 3) (NHE-3) (Solute carrier family 9 member 3),FUNCTION: Plasma membrane Na(+)/H(+) antiporter (PubMed:26358773, PubMed:35613257, PubMed:18829453). Exchanges intracellular H(+) ions for extracellular Na(+) in 1:1 stoichiometry, playing a key role in salt and fluid absorption and pH homeostasis (By similarity). Major apical Na(+)/H(+) exchanger in kidney and intestine playing an important role in renal and intestine Na(+) absorption and blood pressure regulation (PubMed:26358773,

## Target Details

---

PubMed:24622516). {ECO:0000250|UniProtKB:G3X939, ECO:0000269|PubMed:18829453, ECO:0000269|PubMed:24622516, ECO:0000269|PubMed:26358773, ECO:0000269|PubMed:35613257}.

Molecular Weight: 92.9 kDa

UniProt: [P48764](#)

Pathways: [Proton Transport](#)

## 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