

Datasheet for ABIN7555468
SLC9A2 Protein (AA 1-812) (His tag)



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Overview

Quantity:	1 mg
Target:	SLC9A2
Protein Characteristics:	AA 1-812
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SLC9A2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SLC9A2 Protein expressed in mammalian cells.
Sequence:	MEPLGNWRSL RAPLPPMLLL LLLQVAGPVG ALAETLLNAP RAMGTSSSPP SPASVVAPGT TLFEESRLPV FTLDYPHVQI PFEITLWILL ASLAKIGFHL YHKLPTIVPE SCLLIMVGLL LGGIIFGVDE KSPAMPKTDV FFLYLLPIV LDAGYFMPTR PFFENIGTIF WYAVVGTLWN SIGIGVSLFG ICQIEAFGLS DITLLQNLLF GSLISAVDPV AVLAVFENIH VNEQLYILVF GESLLNDAVT VVLYNLFKSF CQMKTITID VFAGIANFFV VGIGGVLLIGI FLGFIAAFTT RFTHNIRVIE PLFVFLYSYL SYITAEMFHL SGIMAITACA MTMKNKYVEEN VSQKSYTTIK YFMKMLSSVS ETLIFIFMGV STVGKNHEWN WAFVCFTLAF CLMWALGVF VLTQVINRFR TIPLTFKDQF IAYGGGLRGA ICFALVFLLP AAVFPRKCLF ITAAIVVIFV TVFILGITIR PLVEFLDVKR SNKKQQAVSE EICYRFLFDHV KTGIEDVCGH WGHNFWRDKF KKFDDKYLRK LLIRENQPKS SIVSLYKKLE IKHAIEMAET GMISTVPTFA SLNDCREEKI RKVTSSETDE IRELLSRNLY QIRQRTLSYN RHSLTADTSE RQAKEILIRR RHSLRESIRK DSSLNREHRA STSTSRYSLSL PKNTKLPEKL QKRRTISIAI GNSSDSDADA GTTVLNLQPR ARRFLPEQFS KKSPQSYKME WKNEVDVDSG RDMPSTPPTP

Product Details

HSREKGTQTS GLLQQPLLSK DQSGSEREDS LTEGIPPKPP PRLVWRASEP GSRKARFGSE KP

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: SLC9A2

Alternative Name: SLC9A2 ([SLC9A2 Products](#))

Background: Sodium/hydrogen exchanger 2 (Na(+)/H(+) exchanger 2) (NHE-2) (Solute carrier family 9 member 2),FUNCTION: Plasma membrane Na(+)/H(+) antiporter. Mediates the electroneutral exchange of intracellular H(+) ions for extracellular Na(+) (PubMed:10444453). Major apical Na(+)/H(+) exchanger in the base of the colonic crypt. Controls in the colonic crypt intracellular pH (pH i) to direct colonic epithelial cell differentiation into the absorptive enterocyte lineage at the expense of the secretory lineage (By similarity). {ECO:0000250|UniProtKB:Q3ZAS0, ECO:0000269|PubMed:10444453}.

Target Details

Molecular Weight:	91.5 kDa
UniProt:	Q9UBY0
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