

Datasheet for ABIN7555469
NHE7 Protein (AA 1-725) (His tag)



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Overview

Quantity:	1 mg
Target:	NHE7 (SLC9A7)
Protein Characteristics:	AA 1-725
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NHE7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat SLC9A7 Protein expressed in mammalian cells.
Sequence:	MEPGDAARPG SGRATGAPPP RLLLLPLLLG WGLRVAAAAS ASSSGAAAED SSAMEELATE KEAEESHRQD SVSLTIFILL LTLTILTIWL FKHRRVRFLH ETGLAMIYGL IVGVILRYGT PATSGRDKSL SCTQEDRAFS TLLVNVSGKF FEYTLKGEIS PGKINSVEQN DMLRKVTFD EVFFNILLPP IIFHAGYSLK KRHFFRNLS ILAYAF LGTA VSCFIIGNLM YGVVKLMKIM GQLSDKFYIT DCLFFGAIIS ATDPVTVLAI FNELHADVDL YALLFGESVL NDAVAIVLSS SIVAYQPAGL NTHAFDAAAF FKSVGIFLGI FSGSFTMGAV TGVNANVTKF TKLHCFPLLE TALFFLMSWS TFLLAECGF TGVVAVLFCG ITQAHYTYNN LSVESRSRTK QLFEVLHFLA ENFISYMGL ALFTFQKHVF SPIFIIGAFV AIFLGRAAHI YPLSFFLNLG RRHKIGWNFQ HMMMFSGLRG AMAFALAIRD TASYARQMMF TTTLLIVFFT VWIIGGGTTP MLSWLNIRVG VEEPSEEDQN EHHWQYFRVG VDPDQDPPPN NDSFQVLQGD GPDSARGNRT KQESAWIFRL WYSFDHNYLK PILTHSGPPL TTTLPWCGL LARCLTSPQV YDNQEPLREE DSDFILTEGD

Product Details

LTLTYGDSTV TANGSSSSHT ASTSLEGSRR TKSSSEEVLE RDLGMGDQKV SSRGTRLVFP LEDNA

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.

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, Western Blot

Grade:

custom-made

Target Details

Target:

NHE7 (SLC9A7)

Alternative Name:

SLC9A7 ([SLC9A7 Products](#))

Background:

Sodium/hydrogen exchanger 7 (Na⁺)/H⁺ exchanger 7) (NHE-7) (Solute carrier family 9 member 7), FUNCTION: Golgi Na⁺, K⁺/(H⁺) antiporter. Mediates the electroneutral influx of Na⁺ or K⁺ in exchange for H⁺. May contribute to the regulation of Golgi apparatus volume and pH . {ECO:0000269|PubMed:11279194, ECO:0000269|PubMed:30335141}.

Molecular Weight:

80.1 kDa

UniProt:

[Q96T83](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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
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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