abcam

Product datasheet

Recombinant Human NHE-6 protein ab161011

1 Image

Description

Product name	Recombinant Human NHE-6 protein
Expression system	Wheat germ
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MARRGWRRAPLRRGVGSSPRARRLMRPLWLLLAVGVFD WAGASDGGGGEA RAMDEEIVSEKQAEESHRQDSANLLIFILLLTLTILTIWLFKH RRARFLH ETGLAMIYGLLVGLVLRYGIHVPSDVNNVTLSCEVQSSPTT LLVNVSGKF YEYMLKGEISSHELNNVQDNEMLRKVTFDPEVFFNILLPPII FYAGYSLK RRHFFRNLGSILAYAFLGTAISCFVIGSIMYGCVTLMKVTGQ LAGDFYFT DCLLFGAIVSATDPVTVLAIFHELQVDVELYALLFGESVLN DAVAIVLSS SIVAYQPAGDNSHTFDVTAMFKSIGIFLGIFSGSFAMGAAT GVVTALVTK FTKLREFQLLETGLFFLMSWSTFLLAEAWGFTGVVAVLFC GITQAHYTYN NLSTESQHRTKQLFELLNFLAENFIFSYMGLTLFTFQNHVF NPTFVVGAF VAIFLGRAANIYPLSLLLNLGRRSKIGSNFQHMMMFAGLRG AMAFALAIR DTATYARQMMFSTTLLIVFFTVWVFGGGTTAMLSCLHIRVG VDSDQEHLG VPENERRTTKAESAWLFRMWYNFDHNYLKPLLTHSGPPL TTTLPACCGPI ARCLTSPQAYENQEQLKDDDSDLILNDGDISLTYGDSTVN TEPATSSAPR RFMGNSSEDALDRELAFGDHELVIRGTRLVLPMDDSEPP LNLLDNTRHGP A

Amino acids	1 to 701
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab161011** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot ELISA
Form	Liquid
Additional notes	This product was previously labelled as SLC9A6.

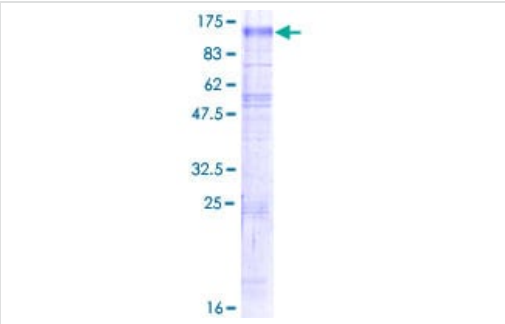
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Electroneutral exchange of protons for Na(+) and K(+) across the early and recycling endosome membranes. Contributes to calcium homeostasis.
Tissue specificity	Ubiquitous; but is most abundant in mitochondrion-rich tissues such as brain, skeletal muscle and heart.
Involvement in disease	Defects in SLC9A6 are the cause of mental retardation syndromic X-linked Christianson type (MRXSC) [MIM:300243]; also known as MRXS-Christianson or X-linked Angelman-like syndrome. The phenotype is characterized by profound mental retardation, epilepsy, ataxia, and microcephaly, and showed phenotypic overlap with Angelman syndrome.
Sequence similarities	Belongs to the monovalent cation:proton antiporter 1 (CPA1) transporter (TC 2.A.36) family.
Cellular localization	Endosome membrane. Is present in the recycling compartments including early and recycling endosomes, and only appears transiently on the plasma membrane.

Images



SDS-PAGE - Recombinant Human NHE-6 protein (ab161011)

ab161011 on a 12.5% SDS-PAGE stained with Coomassie Blue.

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