

Product Information

MemDX™ Membrane Protein Human SLC4A4 (Solute carrier family 4 member 4) Full Length

Cat. No.: **MPC0869K**

This product is for research use only and is not intended for diagnostic use.

This product is a 121.4 kDa Human SLC4A4 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SLC4A4

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

121.4 kDa

TMD

12

Sequence

MEDEAVLDRGASFLKHVCDEEEVEGHHTIYIGVHVPKSYRRRRRRHKRKTG
HKEKKEKERISENYSKSDIENADESSSSILKPLISPAAERIRFILGEED
DSPAPPQLFTELDELLAVDGGQEMEWKETARWIKFEEKVEQGGERWSKPHV
ATLSLHSLFELRTCMEKGSIMLDREASSLPQLVEMIVDHQIETGLLKPEL
KDKVTYTLLRKHRHQTKKSNLRSLADIGKTVSSASRMFTNPDNGSPAMTH
RNLTSSSLNDISDKPEKDQLKNKFMKKLPRDAEASNVLVGEVDFLDTPFI
AFVRLQQAVMLGALTEVPVPTRFLLGPKGKAKSYHEIGRAIATLMSD
EVFHDIAKAKDRHDLIAGIDEFLDEVIVLPPGEWDPAIRIEPPKSLPSS
DKRKNMYSGGENVQMNGDTPHDGGHGGGGHGDCEELQRTGRFCGGLIKDI
KRKAPFFASDFYDALNIQALSAILFIYLATVTNAITFGLLGDATDNMQG
VLESFLGTAVSGAIFCLFAGQPLTILSSTGPVLVFERLLFNFSKDNNFDY
LEFRLWIGLWSAFLCLILVATDASFLVQYFTRFTEEGFSSLISFIFIYDA
FKKMIKLADYYPINSNFKVGYNTLFSCTCVPPDPANISISNDTTLAPEYL
PTMSSTDYHNTTFDWAFLSKKECSKYGGNLVGNNCNFVPDITLMSFILF
LGTYTSSMALKKFKTSPYFPTTARKLISDFAILLSILIFCVIDALVGVD
PKLIVPSEFKPTSPNRGWVFPFGENPWWVCLAAIPALLVTILIFMDQQ
ITAVIVNRKEHKLKKGAGYHLDFWVAILMVICSLMALPWYVAATVISIA
HIDSLKMETETSAPGEQPKFLGVREQRVTGTLVFILTGLSVFMAPILKFI
PMPVLYGVFLYMGVASLNGVQFMDRLKLLLMPLKHQPDFIYLRHVPLRRV
HLFTFLQVLCLALLWILKSTVAAIIFPVMILALVAVRKGM DYLF SQHDL S
FLDDVIPEKDKKKKKEDEKKKKKKKGS L DSDNDDSDCPYSEKVP SIKIPMD

Product Description

Expression Systems

HEK293

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SLC4A4

Full Name

Solute carrier family 4 member 4

Introduction

This gene encodes a sodium bicarbonate cotransporter (NBC) involved in the regulation of bicarbonate secretion and absorption and intracellular pH. Mutations in this gene are associated with proximal renal tubular acidosis. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

KNBC; NBC1; NBC2; pNBC; HNBC1; hhNMC; kNBC1; SLC4A5; NBCe1-A; electrogenic sodium bicarbonate cotransporter 1; Na(+)/HCO₃(-) cotransporter; sodium bicarbonate cotransporter 1 (sodium bicarbonate cotransporter, kidney; sodium bicarbonate cotransporter, pancreas); solute carrier family 4 (sodium bicarbonate cotransporter), member 4; solute carrier family 4, sodium bicarbonate cotransporter, member 4, brain type; solute carrier family 4, sodium bicarbonate cotransporter, member 5; SLC4A4; Solute carrier family 4 member 4

Gene ID

[8671](#)

UniProt ID

[Q9Y6R1](#)