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Product Information

MemDX™ Membrane Protein Human SLC4A10 (Solute carrier family 4 member 10) Full Length

Cat. No.: **MPC0873K**
This product is for research use only and is not intended for diagnostic use.

This product is a 125.9 kDa Human SLC4A10 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
SLC4A10

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
125.9 kDa

TMD
12

Sequence
MEIKDQGAQMEPLLPTRNDEEAVVDRGGTRSILKTHFEKEDLEGHRTLFI
GVHVPLGGRKSHRRHRHRGHKHRKRDRERDSGLEDGRESPSFDTPSQRVQ
FILGTEDDDEEHIPHDLFTELDEICWREGEDAEWRETARWLKFEEDVEDG
GERWSKPYVATLSLHSLFELRSCILNGTVLLDMHANTLEEIADMVLDQQV
SSGQLNEDVRHRVHEALMKQHHHQNQKKLTNRIPIVRSFADIGKKQSEPN
SMDKNAGQVVSPQSAPACVENKNDVSRENSTVDFSKGLGGQQKGHTSPCG
MKQRHEKGPPHQQEREVDLHFMKKIPPGAEASNILVGELEFLDRTVVAFV
RLSPAVLLQGLAEVPIPTRFLFILLGPLGKGQQYHEIGRSIATLMTDEVF
HDVAYKAKDRNDLVSGIDEFLDQVTVLPPGEWDPSIRIEPPKNVPSQEKR
KIPAVPNGTAAHGEAEPHGGHSGPELQRTGRIFGGLILDIKRKAPYFWSD
FRDAFSLQCLASFLFLYCACMSPVITFGGLLGEATEGRISAIESLFGASM
TGIAYSLFGGQPLTILGSTGPVLVFEKILFKFCKEYGLSYLSLRASIGLW
TATLCIILVATDASSLVCYITRFTEEAFASLICIIFIYEALEKLFELSEA
YPINMHNDLELLTQYSCNCVEPHNPSNGTLKEWRESNISASDIIWENLTV
SECKSLHGEYVGRACGHDHPYVPDVLFWSVILFFSTVTLSATLKQFKTSR
YFPTKVRSIVSDFAVFLTILCMVLIDYAIGIPSPKLQVPSVFKPTRDDRG
WFVTPLGPNPWWTVIAAIIPALLCTILIFMDQQITAVIINRKEHKLKKGC
GYHLDLLMVAVMLGVCSIMGLPWFVAATVLSITHVNSLKLESECSAPGEQ
PKFLGIREQRVTGLMIFILMGSSVFMTSILKFIPMPVLYGVFLYMGASSL

KGIQFFDRIKLFWMPAKHQPDFIYLRHVPLRKVHLFTIIQMSCLGLLWII
KVSRAAIVFPMMVLALVFVRKLMDLLFTKRELSWLDDLMPESKKKKLEDA
EKEEEQSMLAMEDEGTVQLPLEGHYRDDPSVINISDEMSKTALWRNLLIT
ADNSKDKESSFPSKSSPS

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

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

SLC4A10

Full Name

Solute carrier family 4 member 10

Introduction

This gene belongs to a small family of sodium-coupled bicarbonate transporters (NCBTs) that regulate the intracellular pH of neurons, the secretion of bicarbonate ions across the choroid plexus, and the pH of the brain extracellular fluid. The protein encoded by this gene was initially identified as a sodium-driven chloride bicarbonate exchanger (NCBE) though there is now evidence that its sodium/bicarbonate cotransport activity is independent of any chloride ion countertransport under physiological conditions. This gene is now classified as a member A10 of the SLC4 family of transmembrane solute carriers. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Alternative Names

NCBE; NBCn2; sodium-driven chloride bicarbonate exchanger; solute carrier family 4, sodium bicarbonate cotransporter-like, member 10; solute carrier family 4, sodium bicarbonate transporter, member 10; SLC4A10; Solute carrier family 4 member 10

Gene ID

57282

UniProt ID

Q6U841