

Product Information

MemDX™ Membrane Protein Human SLC4A8 (Solute carrier family 4 member 8) Full Length

Cat. No.: **MPC0871K**

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

This product is a 122.9 kDa Human SLC4A8 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

SLC4A8

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

122.9 kDa

TMD

11

Sequence

MPAAGSNPDGVLSYQRPDEEAVVDQGGTSTILNIHYEKEELEGHRTLYV
GVRMPLGRQSHRHHRTHGQKHRRRGRGKGASQGEEGLEALAHDTPSQRVQ
FILGTEEDEEHVPHELFTELDEICMKEGEDAEWKETARWLKFEEDVEDGG
ERWSKPYVATLSLHSLFELRSLINGTVLLDMHANSIEEISDLILDQQEL
SSDLNDSMRVKVREALLKKHHHQNEKKRNLIPIVRSFAEVGKKQSDPHL
MDKHGQTVSPQSVPTTNLEVKNGVNCEHSPVDLSKVDLHFMKKIPTGAEA
SNVLVGEVDILDRPIVAFVRLSPAVLLSGLTEVPIPTRFLFILLGPVGKG
QQYHEIGRSMATIMTDEIFHDVAYKAKERDDLLAGIDEFLDQVTVLPPGE
WDPSIRIEPPKNVPSQEKRKMPGVPNGNVCHIEQEPHGGHSGPELQRTGR
LFGGLVLDIKRKAPWYWSYRDALSLQCLASFLFLYCACMSPVITFGGL
GEATEGRISAIESLFGASMTGIAYSLFAGQALTILGSTGPVLVFEKILFK
FCKDYALSYLSLRACIGLWTAFLCIVLVATDASSLVICYITRFTEEFASL
ICIFIYEAEKLIHLAETYPIMHMSQLDHLISLYYCRCTLPENPNNHTLQ
YWKDHNIVTAEVHWANLTVSECQEMHGEFMGSACGHHGPYTPDVLFWSCI
LFFTTFILSSTLTKTFKTSRYFPTRVRSMVSDFAVFLTIFTMVIIDFLIGV
PSPKLQVPSVFKPTRDDRGWIINPIGNPWWTVIAAIIPALLCTILIFMD
QQITAVIINRKEHKLKKGCGYHLDLLMVAIMLGVCSIMGLPWVFAATVLS
ITHVNSLKLESECSAPGEQPKFLGIREQRTGLMIFVLMGCSVFMTAILK
FIPMPVLYGVFLYMGVSSLQGIQFFDRLKLFGMPPAKHQPDFIYLRHVPLR
KVHLFTLIQLTCLVLLWVIKASPAIVFPMMLALVFVRKVMDLCSKRE
LSWLDDLMPESSKKKKLDDAKKKAKEEEEEAEKMLEIGGDKFPLESRKLLSS

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

SLC4A8

Full Name

Solute carrier family 4 member 8

Introduction

The protein encoded by this gene is a membrane protein that functions to transport sodium and bicarbonate ions across the cell membrane. The encoded protein is important for pH regulation in neurons. The activity of this protein can be inhibited by 4,4'-Di-isothiocyanatostilbene-2,2'-disulfonic acid (DIDS). Several transcript variants encoding different isoforms have been found for this gene.

Alternative Names

NBC3; NDCBE; electroneutral sodium bicarbonate exchanger 1; electroneutral Na(+)-driven Cl-HCO₃ exchanger; k-NBC3; solute carrier family 4, sodium bicarbonate cotransporter, member 8; SLC4A8; Solute carrier family 4 member 8

Gene ID

[9498](#)

UniProt ID

[Q2Y0W8](#)