

Product Information

MemDX™ Membrane Protein Human SLC12A6 (Solute carrier family 12 member 6) Full

Length

Cat. No.: **MPC0727K**

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

This product is a 127.6 kDa Human SLC12A6 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

SLC12A6

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

127.6 kDa

TMD

12

Sequence

MHPPETTTKMASVRFMTPTKIDDIPGLSDTSPDLSSRSSSRVRFSSRES
VPETSRSEPMSEMSGATTSLATVALDPPSDRTSHPQDVIEDLSQNSITGE
HSQLDDGHHKARNAYLNNSNYEEGDEYFDKNLALFEEEMDTRPKVSSLL
NRMANYTNLTQGAKEHEEAENITEGKKKPTKTPQMGTFTMGVYLPCLQNIF
GVILFLRLTWVVGTAQVLAFAIVLICCCCTMLTAISMSAIATNGVVPAG
GSYFMISRALGPEFGGAVGLCFYLGTTFAAAMYILGAIEIFLVYIVPRAA
IFHSDALKESAAMLNNMRVYGTAFLVLMVLVFIGVRYVNKFASLFLAC
VIVSILAIYAGAIIKSSFAPPHFPVCMLGNRTLSSRHIDVCSKTKEINNMT
VPSKLWGFFCNSSQFFNATCDEYFVHNNVTSIQGIPGLASGIITENLWSN
YLPKGEIIKPSAKSSDVLGSLNHEYVLVDITTSFTLLVGIFFPSVTGIM
AGSNRSGDLKDAQSIPIGTILAILTTSFVYLSNVVLFGACIEGVVLRDK
FGDAVKGNLVVGTLSWPSPWVIVIGSFFSTCGAGLQSLTGAPRLLQAIK
DNIIPFLRVFGHSGKANGEPTWALLLTAAIAELGILIASLDLVAPILSMFF
LMCYLFVNLACALQTLRLTPNWRPRFRYYHWALSFMGMSICLALMFISSW
YYAIVAMVIAGMIYKYIEYQGAKEWGDGIRGLSLSAARFALLRLEEGPP
HTKNWRPQLLVLLKLDEDLHVHKHPRLLTFASQLKAGKGLTIVGSGVIVGNF
LENYGEALAAEQTIKHLMEAEKVKGFCQLVVAACLREGISHLIQSCGLGG
MKHNTVVMGWPNGWWRQSEDARAWKTFIGTVRVTTAAHLALLVAKNISFFP
SNVEQFSEGNIDVWWIVHDGGMMLLPFLKQHKVWRKCSIRIFTVAQLE

DNSIQMKKDLATFLYHLRIEAEVEVVMHDSDISAYTYERTLMMEQRSQM
LRHMRLSKTERDREAQLVKDRNSMLRLTSIGSDEDEETETYQEKVHMTWT
KDKYMASRGQKAKSMEGFQDLLNMRPDQSNVRRMHTAVKLNEVIVNKSHE
AKLVLLNMPGPPRNPEGDENYMEFLEVLTEGLERVLLVRGGGSEVITIYS

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 -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SLC12A6

Full Name

Solute carrier family 12 member 6

Introduction

This gene is a member of the K-Cl cotransporter (KCC) family. K-Cl cotransporters are integral membrane proteins that lower intracellular chloride concentrations below the electrochemical equilibrium potential. The proteins encoded by this gene are activated by cell swelling induced by hypotonic conditions. Alternate splicing results in multiple transcript variants encoding different isoforms. Mutations in this gene are associated with agenesis of the corpus callosum with peripheral neuropathy.

Alternative Names

KCC3; ACCPN; KCC3A; KCC3B; solute carrier family 12 member 6; K-Cl cotransporter 3; electroneutral potassium-chloride cotransporter 3; potassium chloride cotransporter 3; potassium chloride cotransporter KCC3a-S3; potassium-chloride transporter-3a; potassium-chloride transporter-3b; solute carrier family 12 (potassium/chloride transporter), member 6; solute carrier family 12 (potassium/chloride transporters), member 6; SLC12A6; Solute carrier family 12 member 6

Gene ID

[9990](#)

UniProt ID

[Q9UHW9](#)