

Product Information

MemDX™ Membrane Protein Human SLC12A4 (Solute carrier family 12 member 4) Full

Length

Cat. No.: **MPC0725K**

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

This product is a 120.6 kDa Human SLC12A4 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

SLC12A4

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

120.6 kDa

TMD

12

Sequence

MPHFTVPVDGPRRGDYDNLEGLSWVDYGERAELDDSDGHGHNHRESSPFL
SPLEASRGIDYYDRNLALFEEELDIRPKVSSLLGKLVSYTNLTQGAKEHE
EAESGEGTRRRAAEAPSMGTLMGVYLPCLQNIQFVILFLRLTWMVGTAGV
LQALLIVLICCCCTLLTAISMSAIATNGVVPAGGSYFMISRLGPEFGGA
VGLCFYLGTTFAAAMYILGAIEILLTYIAPPAAIFYPGSAHDTSNATLNN
MRVYGTIFLTFMTLVFVGKYNKFASLFLACVIISILSIYAGGIKSIF
DPPVFPVCMLGNRTLSDQFDICAKTAVVDNETVATQLWSFFCHSPNLTT
DSCDPYFMLNNVTEIPGIPGAAAGVLQENLWSAYLEKGDIVEKHGLPSAD
APSLKESLPLYVVADIATSFTVLVGIFFPSVTGIMAGSNRSGDLRDAQKS
IPVGTILAIITTSLVYFSSVVLFGACIEGVVLRDKYGDGVSRNLVVGTLA
WPSPWVIVIGSFFSTCGAGLQSLTGAPRLLQAIKDNIIIPFLRVFGHGKV
NGEPTWALLLTALIAELGILIASLDMVAPILSMFFLMCYLFVNLAQAVQT
LLRTPNWRPRFKYYHWALSFLGMSLCLALMFVSSWYYALVAMLIAGMIYK
YIEYQGAKEWGDGIRGLSLAARYALLRLEEGPPHTKNWRPQLLVLLKL
DEDLHVKYPRLLTFASQLKAGKGLTIVGSVIQGSFLESYGAAAEQTIK
NMMEIEKVKGFCQVVVASKVREGLAHLIQSCGLGMRHNSVVLGWYPYGWR
QSEDPRAWKTFTIDTVRCTTAHLALLVPKNIAFYPSNHERYLEGHIDVWW
IVHDGGMLMLLPFLLRQHKVWRKCRMRIFTVAQMDDNSIQMKKDLAVFLY
HLRLEAEVEVEMHNSDISAYTYERTLMMEQRSQMLRQMLRTKTEREEREA

QLVKDRHSALRLESLSYDEEDESAVGADKIQMTWTRDKYMTETWDPSHAP
DNFRELVHIKPDQSNVRRMHTAVKLNEVIVTRSHDARLVLLNMPGPPRNS
EGDENYMEFLEVLTEGLERVLLVRGGGREGVITIYS

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

SLC12A4

Full Name

Solute carrier family 12 member 4

Introduction

This gene encodes a member of the SLC12A transporter family. The encoded protein mediates the coupled movement of potassium and chloride ions across the plasma membrane. This gene is expressed ubiquitously. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Alternative Names

KCC1; hKCC1; CTC-479C5.17; solute carrier family 12 member 4; electroneutral potassium-chloride cotransporter 1; erythroid K-Cl cotransporter 1; potassium/chloride cotransporter 1; solute carrier family 12 (potassium/chloride transporter), member 4; solute carrier family 12 (potassium/chloride transporters), member 4; SLC12A4; Solute carrier family 12 member 4

Gene ID

[6560](#)

UniProt ID

[Q9UP95](#)