

Product Information

MemDX™ Membrane Protein Human CLCN5 (Chloride voltage-gated channel 5) Full Length

Cat. No.: **MPC0484K**

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

This product is a 90.7 kDa Human CLCN5 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

CLCN5

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

90.7 kDa

TMD

15

Sequence

MAMWQGAMDNRGFQQGSFSSFQNSSSDEDLMDIPATAMDFSMRDDVPPLD
REVGEDKSYNGGGIGSSNRIMDFLEPIPGVGTYYDDFNTIDWVREKSRDR
DRHREITNKSKESTWALIHVSDAFSGWLLMLLIGLLSGSLAGLIDISAH
WMTDLKEGICTGGFWFNHEHCCWNSEHVTFEERDKCPEWNSWSQLIISTD
EGAFAYIVNYFMYVLWALLFAFLAVSLVKVFAPYACGSGIPEIKTILSGF
IIRGYLGKWTLVIKTITLVAVSSGLSLGKEGPLVHVACCCGNILCHCFN
KYRKNEAKRREVLAAAAAGVSVAFGAPIGGVLFSLLEEVSYFPLKTLWR
SFFAALVAAFTLRSINPFGNSRLVLFYVEFHTPWHLFELVPFILLGIFGG
LWGALFIRTNIAWCRKRKTTQLGKYPVIEVLVVTAILAFPNEYTRMS
TSELISELFNDCGLLDSSKLCDYENRFNTSKGGELPDRPAGVGVYSAMWQ
LALTILKIVITIFTGMKIPSGLFIPSMAGVAGIAGRLLGVGMEQLAYYH
QEWTVFNSWCSQGADCITPGLYAMVGAAACLGCVTRMTVSLVVIMFELTG
GLEIVPLMAAAAMTSKWWADALGREGIYDAHIRLNGYPFLEAKEEFAHKT
LAMDMVKPRRNDPLLTVLTDQDSMTVEDVETISETTYSGFPPVVSRESQR
LVGVFLRRDLIISIENARKKQDGVVSTSIIFYTEHSPPLPPYTPPTLKLK
NILDLSPTVTDLTPMEIVVDIFRKLGLRQCLVTHNGRLLGIITKKDVLK
HIAQMANQDPDSILFN

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

CLCN5

Full Name

Chloride voltage-gated channel 5

Introduction

This gene encodes a member of the CIC family of chloride ion channels and ion transporters. The encoded protein is primarily localized to endosomal membranes and may function to facilitate albumin uptake by the renal proximal tubule. Mutations in this gene have been found in Dent disease and renal tubular disorders complicated by nephrolithiasis. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

XRN; CLC5; XLRH; CLCK2; CIC-5; DENTS; NPHL1; NPHL2; hCIC-K2; H(+)/Cl(-) exchange transporter 5; chloride channel, voltage-sensitive 5; chloride transporter CIC-5; voltage-gated chloride ion channel CLCN5; CLCN5; Chloride voltage-gated channel 5

Gene ID

[1184](#)

UniProt ID

[P51795](#)