

Product Information

MemDX™ Membrane Protein Human SCNN1A (Sodium channel epithelial 1 subunit alpha)

Full Length

Cat. No.: **MPC0711K**

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

This product is a 75.7 kDa Human SCNN1A 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

SCNN1A

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

75.7 kDa

TMD

2

Sequence

MEGNKLEEQDSSPPQSTPGLMKGNKREEQGLGPEPAAPQQPTAEEEEALIE
FHRSYRELFEFFCENNTTIHGAIRLVCSQHNRMTAFWAVLWLCTFGMMYW
QFGLLFGEYFSYPVSLNINLNSDKLVFPVAVTICTLNPYRYPEIKEELEEL
DRITEQTLFDLYKYSSFTTLVAGSRSRDLRGTLPHPLQRLRVPPPHGA
RRARSVASSLRDNNPQVDWKDWKIGFQLCNQNKSDCFYQTYSSGVDAVRE
WYRFHYINILSRPETLPSLEEDTLGNFIFACRFNQVSCNQANYSHFHHP
MYGNCYTFNDKNNNLWMSSMPGINNGLSLMLRAEQNDFIPLLSTVTGAR
VMVHGQDEPAFMDDGGFNLRPGVETSISMRKETLDRLGDDYGDCTKNGSD
VPVENLYPSKYTQQVCIHSCFQESMIKECGCAYIFYPRPQNVEYCDYRKH
SSWGYCYKLVDFSSDHLGCFTKCRKPCSVTSYQLSAGYSRWPSVTSQE
WVFQMLSRQNNYTVNNKRVAKVNIFFKELNYKTNSESPSVTMVTLLSN
LGSQWSLWFGSSVLVSVEMAELVFDLLVIMFLMLLRFRSRYWSPGRGGR
GAQEVASTLASSPPSHFCPHMSLSLSQGPAPSPALTAPPPAYATLGPR
PSPGGSAGASSSTCPLGGP

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

SCNN1A

Full Name

Sodium channel epithelial 1 subunit alpha

Introduction

Nonvoltage-gated, amiloride-sensitive, sodium channels control fluid and electrolyte transport across epithelia in many organs. These channels are heteromeric complexes consisting of 3 subunits: alpha, beta, and gamma. This gene encodes the alpha subunit, and mutations in this gene have been associated with pseudohypoaldosteronism type 1 (PHA1), a rare salt wasting disease resulting from target organ unresponsiveness to mineralocorticoids. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

Alternative Names

BESC2; ENaCa; SCNEA; SCNN1; LIDLS3; ENaCalpha; amiloride-sensitive sodium channel subunit alpha; alpha ENaC-2; alpha-ENaC; alpha-NaCH; amiloride-sensitive epithelial sodium channel; alpha subunit; amiloride-sensitive sodium channel subunit alpha 2; epithelial Na(+) channel subunit alpha; nasal epithelial sodium channel alpha subunit; nonvoltage-gated sodium channel 1 subunit alpha; sodium channel epithelial 1 alpha subunit; sodium channel, non voltage gated 1 alpha subunit; sodium channel, non-voltage-gated 1 alpha; sodium channel, nonvoltage-gated 1 alpha; SCNN1A; Sodium channel epithelial 1 subunit alpha

Gene ID

[6337](#)

UniProt ID

[P37088](#)