

Product Information

MemDX™ Membrane Protein Human KCNH5 (Potassium voltage-gated channel subfamily H member 5) Full Length

Cat. No.: **MPC0598K**

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

This product is a 111.8 kDa Human KCNH5 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

KCNH5

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

111.8 kDa

TMD

6

Sequence

MPGGKRGVLVAPQNTFLENIVRRSSESSFLLGNAQIVDWPVVYSNDGFCKL
SGYHRADVMQKSSTCSFMYGELTDKKTIEKVRQTFDNYESNCFEVLLYKK
NRTPVWFYMQIAPIRNEHEKVVLFLCTFKDITLFKQPIEDDSTKGWTKFA
RLTRALTNSRSVLQQLTPMNKTEVVHKHSRLAEVLQLGSDILPQYKQEAP
KTPPHIILHYCAFKTTWDWVILITFYTAIMVPYNVSFKTKQNNIAWLVL
DSVVDVIFLVDIVLNFHTTFVGPGEVISDPKLIRMNYLKTWFVIDLLSC
LPYDIINAFENVDEGISSLFSSLKVVRLRLGRVARKLDHYLEYGA AVL
LLVCVFGLVAHWLACIWYSIGDYEVIDEVTNTIQIDSWLYQLALSIGTPY
RYMMSAGIWEGGPSKDSLYVSSLYFTMTSLTTIGFGNIAPTTDVEKMFSV
AMMMVGSLLYATIFGNVTTFQQMYANTNRYHEMLNVRDFLKLYQVPKG
LSERVMDYIVSTWSMSKGIDTEKVLSCPKDMRADICVHLNRKVFNEHPA
FRLASDGCLRALAVEFQTIHCAPGDLIYHAGESVDALCFVSGSLEVIQD
DEVVAILGKGDVFGDIFWKETTLAHACANVRALTYCDLHIIKREALLKVL
DFYTAFANSFSRNLTLCNLRKRIIFRKISDVKKEEEERLRQKNEVTLSI
PVDHPVRKLFQKFQKQKELRNQGSTQGDPERNQLQVESRSLQNGASITGT
SVVTVSQITPIQTSLAYVKTSESLKQNNRDAMELKPNGGADQKCLKVNSP
IRMKNGNGKGWLRLLKNNMGAHEEKEDWNNVTKAESMGLLEDPKSSDSE
NSVTKNPLRKTDCSDSGITKSDLRLDKAGEARSPIQADAKHPFYP
IPEQALQTTLQEVKHELKEDIQLLSCRMTALEKQVAEILKILSEKSPQA

SSPKSQMPLQVPPQIPCQDIFSVSRPESPESDKDEIHF

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

KCNH5

Full Name

Potassium voltage-gated channel subfamily H member 5

Introduction

This gene encodes a member of voltage-gated potassium channels. Members of this family have diverse functions, including regulating neurotransmitter and hormone release, cardiac function, and cell volume. This protein is an outward-rectifying, noninactivating channel. Alternative splicing results in multiple transcript variants.

Alternative Names

EAG2; hEAG2; H-EAG2; Kv10.2; potassium voltage-gated channel subfamily H member 5; ether-a-go-go 2; ether-a-go-go-related potassium channel 2; potassium channel, voltage gated eag related subfamily H, member 5; potassium voltage-gated channel, subfamily H (eag-related), member 5; voltage-gated potassium channel subunit Kv10.2; KCNH5; Potassium voltage-gated channel subfamily H member 5

Gene ID

[27133](#)

UniProt ID

[Q8NCM2](#)