

Product Information

MemDX™ Membrane Protein Human KCNC3 (Potassium voltage-gated channel subfamily C member 3) Full Length

Cat. No.: **MPC0589K**

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

This product is a 80.5 kDa Human KCNC3 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

KCNC3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

80.5 kDa

TMD

6

Sequence

MLSSVCVSSFRGRQGASKQQPAPPPQPPESPPPPPLPPQQQQPAQPGPAA
SPAGPPAPRGPGRRAEPCPLPAAAMGRHGGGGGDSGKIVINVGGVRHE
TYRSTLRITLPGTRLAGLTEPEAAARFDYDPGADEFFDRHPGVFAYVLNY
YRTGKLHCPADVCGPLFEEELGFWGIDETDVEACCWMTYRQHRDAEEALD
SFEAPDPAGAANAANAAGAHDGGLDDEAGAGGGGLDGAGGELKRLCFQDA
GGGAGGPPGGAGGAGGTWRRWQPRVWALFEDPYSSRAARYVAFASLFFI
LISITTFCLTHEGFIHISNKTVTQASPIPGAPPENITNVEVETEPFLTY
VEGVCVWFTFEFLMRITFCPDKVEFLKSSLNIIDCVAILPFYLEVGLSG
LSSKAAKDVLGFLRVRFVRLRIFKLTRHFVGLRVLGHTLRASTNEFL
LIIFLAGVLIFATMIYYAERIGADPDDILGSNHTYFKNIPIGFWWAVVT
MTTLGYGDMYPKTWSGMLVGALCALAGVLTIAMPVVIVNNFGMYSLAM
AKQKLPKKNKHIPRPPQPGSPNYCKPDPPPPPPPHPHHGSGGISPPPI
TPPSMGVTVAGAYPAGPHTHPGLLRGGAGGLGIMGLPPLPAPGEPCLAQ
EEVIEINRADPRPNGDPAAAAAHEDCPAIDQPAMSPEDKSPITPGSRGR
YSRDRACFLLTDYAPSPDGSIRKATGAPPLPPQDWRKPGPPSFLPDNLNAN
AAAWISP

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

KCNC3

Full Name

Potassium voltage-gated channel subfamily C member 3

Introduction

The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to one of these subfamilies, namely the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. Alternate splicing results in several transcript variants.

Alternative Names

KV3.3; SCA13; KSHIID; potassium voltage-gated channel subfamily C member 3; Shaw-related voltage-gated potassium channel protein 3; potassium channel, voltage gated Shaw related subfamily C, member 3; potassium voltage-gated channel, Shaw-related subfamily, member 3; voltage-gated potassium channel protein KV3.3; voltage-gated potassium channel subunit Kv3.3; KCNC3; Potassium voltage-gated channel subfamily C member 3

Gene ID

[3748](#)

UniProt ID

[Q14003](#)