SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human KCNC4 (Potassium voltage-gated channel subfamily C member 4) Full Length

Cat. No.: **MPC0590K**
This product is for research use only and is not intended for diagnostic use.

This product is a 69.7 kDa Human KCNC4 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
KCNC4

Protein Length
Full length

Protein Class
Transporter; Ion channel

Molecular Weight
69.7 kDa

TMD
6

Sequence
MISSVCVSSYRGRKSGNKPPSKTCLKEEMAKGEASEKIIINVGGTRHETY
RSTLRTLPGTRLAWLADPDGGGRPETDGGGVGSSGSSGGGGCEFFFDRHP
GVFAYVLNYYRTGKLHCPADVCGPLFEEELTFWGIDETDVEPCCWMTYRQ
HRDAEEALDIFESPDGGGSGAGPSDEAGDDERELALQRLGPHEGGAGHGA
GSGGCRGWQPRMWALFEDPYSSRAARVVAFASLFFILVSITTFCLETHEA
FNIDRNVTEILRVGNITSVHFRREVETEPILTYIEGVCVLWFTLEFLVRI
VCCPDTLDFVKNLLNIIDFVAILPFYLEVGLSGLSSKAARDVLGFLRVVR
FVRILRIFKLTRHFVGLRVLGHTLRASTNEFLLLIIFLALGVLIFATMIY
YAERIGARPSDPRGNDHTDFKNIPIGFWWAVVTMTTLGYGDMYPKTWSGM
LVGALCALAGVLTIAMPVPVIVNNFGMYYSLAMAKQKLPKKRKKHVPRPA
QLESPMYCKSEETSPRDSTCSDTSPPAREEGMIERKRADSKQNGDANAVL
SDEEGAGLTQPLASSPTPEERRALRRSTTRDRNKKAAACFLLSTGDYACA
DGSVRKGTFVLRDLPLQHSPEAACPPTAGTLFLPH

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

KCNC4

Full Name

Potassium voltage-gated channel subfamily C member 4

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 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. It generates atypical voltage-dependent transient current that may be important for neuronal excitability. Multiple transcript variants have been found for this gene.

Alternative Names

KV3.4; C1orf30; KSHIIIC; HKSHIIIC; potassium voltage-gated channel subfamily C member 4; K+ channel subunit; potassium channel, voltage gated Shaw related subfamily C, member 4; potassium voltage-gated channel, Shaw-related subfamily, member 4; voltage-gated potassium channel subunit KV3.4; KCNC4; Potassium voltage-gated channel subfamily C member 4

Gene ID

3749

UniProt ID

Q03721

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