

Product Information

MemDX™ Membrane Protein Human TRPC6 (Transient receptor potential cation channel subfamily C member 6) Full Length

Cat. No.: **MPC0960K**

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

This product is a 106.3 kDa Human TRPC6 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

TRPC6

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

106.3 kDa

TMD

6

Sequence

MSQSPAFGPRRGSSPRGAAGAAARRNESQDYLLMDSELGEDGCPQAPLPC
YGYYPFCFRGSDNRLAHRRTVLREKGRRLANRGPAYMFSDRSTLSIEEE
RFLDAAEYGNIPVVRKMLEECHSLNVNCVDYMGQNALQLAVANEHLEITE
LLLKKENLSRVGDALLLAISKGYVRIVEAILSHPAFAEGKRLATSPSQSE
LQQDDFYAYDEDGTRFSHDVTPILAAHCQEYEIVHTLLRKGARIERPHD
YFCKCNDCNQKQKHDSFSHSRSRINAYKGLASPAYLSLSSDPVMTALEL
SNELAVLANIEKEFKNDYKKLSMQCKDFVVGLLDLCRNTEEEVEAILNGDV
ETLQSGDHGRPNLSRLKLAIKYEVKKFVAHPNCQQQLLSIWYENLSGLRQ
QTMVAVKFLVVLAVAIGLPFLALIYWFAPCSKMGKIMRGPFMKFVAHAASF
TIFLGLLVMNAAADRFEFTKLLPNETSTDNAKQLFRMKTSCFSWMEMLIIS
WVIGMIWAECKEIWTQGPKEYLFELWNMLDFGMLAIFAASFIARFMAFWH
ASKAQSIIDANDTLKDLTKVTLGDNVKYYNLARIKWDPSPDQIIEGLYA
IAVVLFSFRIAYILPANESFGPLQISLGRTVKDIFKFMVIFIMVFVAFMI
GMFNLYSYYIGAKQNEAFTTVEESFKTLFWAIFGLSEVKSVVINYNHKFI
ENIGYVLYGVYNVTMIVLLNMLIAMINSSFQEIEDDADVEWKFARAKLW
FSYFEEGRTLVPFNLVSPKSLFYLLLKLKKWISELFQGHKKGFQEDAE
MNKINEEKKLGILGSHEDLSKLSLDKKQVGHNKQPSIRSSDFHLNSFNN
PPRQYQKIMKRLIKRYVLQAQIDKESDEVNEGELKEIKQDISSLRYELLE
EKSQNTEDLAELIRELGEKLSMEPNQEETNR

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 -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

TRPC6

Full Name

Transient receptor potential cation channel subfamily C member 6

Introduction

The protein encoded by this gene forms a receptor-activated calcium channel in the cell membrane. The channel is activated by diacylglycerol and is thought to be under the control of a phosphatidylinositol second messenger system. Activation of this channel occurs independently of protein kinase C and is not triggered by low levels of intracellular calcium. Defects in this gene are a cause of focal segmental glomerulosclerosis 2 (FSGS2).

Alternative Names

TRP6; FSGS2; short transient receptor potential channel 6; TRP-6; focal segmental glomerulosclerosis 2; transient receptor protein 6; TRPC6; Transient receptor potential cation channel subfamily C member 6

Gene ID

[7225](#)

UniProt ID

[Q9Y210](#)