

Product Information

MemDX™ Membrane Protein Human TRPC3 (Transient receptor potential cation channel subfamily C member 3) Full Length

Cat. No.: **MPC0956K**

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

This product is a 96 kDa Human TRPC3 membrane protein expressed in Baculovirus/Insect expression system. 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

TRPC3

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

96 kDa

TMD

6

Sequence

MREKGRRRQAVRGPAFMFNDRGTSLTAAEEERFLDAAEYGNIPVVRKMLEES
KTLNVNCDVDMGQNALQLAVGNEHLEVTELLKKENLARIGDALLLAISK
GYVRIVEAILNHPGFAASKRLTLSPCEQELQDDDFYAYDEDGTRFSPDIT
PIILAAHCQKYEYVHMLLMKGARIERPHDYFCKCGDCMEKQRHDSFSHSR
SRINAYKGLASPAYLSLSSDPVLTALLESNELAKLANIEKEFKNDYRKL
SMQCKDFVVGVLDCRDSEEEVAILNGDLESAEPLEVHRHKASLSRVKLA
IKYEVKKFVAHPNCQQQLTIWYENLSGLREQTIAIKCLVVLVVALGLPF
LAIGYWIAPCSRGLKILRSPFMKFVAHAASFIIFLGLLVFNASDRFEGIT
TLPNITVTDYPKQIFRVKTTQFTWTEMLIMVWVLGMMWSECKELWLEGPR
EYILQLWNVLDGMLSFIAAFTARFLAFLQATKAQQYVDSYVQESDLSE
VTLPEIQYFTYARDKWLPSPDQIISEGLYAIHVLSFSRIAYILPANES
FGPLQISLGRTVKDIFKFMVLFIMVFFAFMIGMFILYSYYLGAKVNAAFT
TVEESFKTLFWSIFGLSEVTSVVLKYDHFKEINIGYVLYGIYNVTMVLV
LNMLIAMINSSYQEIEDSDSVEWKFARSKLWLSYFDDGKTLPPPFSLVPS
PKSFVYFIMRIVNFPKCRRRRLQKDIEMGMGNSKSRLNLTQSNSRVFES
HSFNSILNQPTRYQQIMKRLIKRYVLKAQVDKENDEVNEGELKEIKQDIS
SLRYELLEDKSKATEELAILIHLSEKLNPSMLRCE

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

8xHis and MBP tag at the N-terminus

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

TRPC3

Full Name

Transient receptor potential cation channel subfamily C member 3

Introduction

The protein encoded by this gene is a membrane protein that can form a non-selective channel permeable to calcium and other cations. The encoded protein appears to be induced to form channels by a receptor tyrosine kinase-activated phosphatidylinositol second messenger system and also by depletion of intracellular calcium stores. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

TRP3; SCA41; short transient receptor potential channel 3; hTrp-3; transient receptor potential cation channel subfamily C member 3 variant c; transient receptor protein 3; TRPC3; Transient receptor potential cation channel subfamily C member 3

Gene ID

[7222](#)

UniProt ID

[Q13507](#)