

Product Information

MemDX™ Membrane Protein Human TRPC3 (Transient receptor potential cation channel subfamily C member 3) for Antibody Discovery

Cat. No.: **MP1266J**

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

This product is a 97.2 kDa Human TRPC3 membrane protein expressed in HEK293T. 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

Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Molecular Weight

97.2 kDa

TMD

6

Sequence

MEGSPSLRRMTVMREKGRQAVRGPAFMFNDRGTSLTAEERFLDAAEYGNIPVVRKMLEESKTLNVNCV
DYMGNALQLAVGNEHLEVTELLKKENLARIGDALLAISKG YVRIVEAILNHPGFAASKRLTLSPCEQ
ELQDDDFYAYDEDGTRFSPDITPIILAAHCQKYEVVHMLLMKGARIERPHDYFCKCGDCMEKQRHDSFSH
SRSRINAYKGLASPAYLSLSSDPVLTALSLNELAKLANIEKEFKNDYRKLSMQCKDFVVGVDLCRDS
EEVEAILNGDLESAEPLEVHRHKASLSRVKLAIKYEVKKFVAHPNCQQQLTIWYENLSGLREQTIAIKC
LVVLVVALGLPFLAIGYWIAPCSRLGKILRSPFMKFVAHAASFIFLGLLVFNASDRFEGITLTPNITVT
DYPKQIFRVKTTQFTWTEMLIMVWVLGMMWSECKELWLEGPREYILQLWNVLD FGMLSIFIAAFTARFLA
FLQATKAQQYVDSYVQESDLSEVTLPPFIQYFTYARDKWLPSPDQIISEGLYAI AVVLSFSRIAYILPAN
ESFGPLQISLGRTVKDIFKFMVLFIMVFFAFMIGMFILYSYYLGAKVNAAFTTVEESFKTLFWSIFGLSE
VTSVVLKYDHKFIENIGYVLYGIYNVTMVVLLNMLIAMINSSYQEIEDDS DVEWKFARSKLWLSYFDDG
KTLPPPSLVSPKSFVYFIMRIVNFPKRRRLQKDIEMGMGNSKSRLNLFTQSNSRVFESHFSNLSILN
QPTRYQQIMKRLIKRYVLKAQVDKENDEVNEGELKEIKQDISSRLRYELLEDKSQATEELAILIHLSEKL
NPSMLRCE

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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; hTrp-3; transient receptor protein 3

Gene ID

[7222](#)

UniProt ID

[Q13507](#)