

Product Information

MemDX™ Membrane Protein Human TRPC1 (Transient receptor potential cation channel subfamily C member 1) Full Length

Cat. No.: **MPC0955K**

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

This product is a 91.2 kDa Human TRPC1 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

TRPC1

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

91.2 kDa

TMD

6

Sequence

MMAALYPSTDLGASSSSLPSSPSSSSPNEVMALKDVREVKEENTLNEKL
FLLACDKGDYYMVKKILEENSSGDLNINCVDVLGRNAVTTITENENLDIL
QLLLDYGCQSADALLVAIDSEVVGAVDILLNHRPKRSSRPTIVKLMERIQ
NPEYSTTMDVAPVILAAHRNNYEILTMLLKQDVSLPKPHAVGCECTLCSA
KNKKDSLRSRFRLDIYRCLASPALIMLTEEDPILRAFELSADLKELSLV
EVEFRNDYEEELARQCKMFAKDLLAQARNSRELEVILNHTSSDEPLDKRGL
LEERMNLSRLKLAIKYNQKEFVSQSNCCQFLNTVWFGQMSGYRRKPTCKK
IMTVLTVGIFWPVLSLCYLIAPKSQFGRIIHTPFMKFIIHGASYFTFLL
LNLYSLVYNEDKKNTMGPALERIDYLLILWIIGMIWSDIKRLWYEGLEDF
LEESRNQLSFVMNSLYLATFALKVVAHNKFHDFADRKDWDADFHTLVAEGL
LFAFANVLSYLRFFMYTTSSILGPLQISMGMQLQDFGKFLGMFLVLFS
FTIGLTQLYDKGYTSKEQKDCVGIFCEQQSNDTFHSGFTCFALFWYIFS
LAHVAIFVTRFSYGEELQSFVGAVIVGTYNVVVVIVLTKLLVAMLHKSQF
LIANHEDKEWKFAKALWLSYFDDKCTLPFFNIIPSPKTICYMISSLSK
WICSHTSKGKVKRQNSLKEWRNLKQKRDENYQKVMCCLVHRYLTSMRQKM
QSTDQATVENLNLRLQDLSKFRNEIRDLLGFRTSKYAMFYPRN

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

TRPC1

Full Name

Transient receptor potential cation channel subfamily C member 1

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

TRP1; HTRP-1; short transient receptor potential channel 1; TRP-1; capacitative calcium channel protein Trp1; transient receptor potential canonical 1; transient receptor protein 1; TRPC1; Transient receptor potential cation channel subfamily C member 1

Gene ID

[7220](#)

UniProt ID

[P48995](#)