

Product Information

MemDX™ Membrane Protein Human TRPC5 (Transient receptor potential cation channel subfamily C member 5) Full Length

Cat. No.: **MPC0959K**

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

This product is a 111.4 kDa Human TRPC5 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

TRPC5

Protein Length

Full length

Protein Class

Transporter; Ion channel

Molecular Weight

111.4 kDa

TMD

6

Sequence

MAQLYYKKVNYSPYRDRIPLQIVRAETELSAEEKAFNLNAVEKGDYATVKQ
ALQEAIEIYNNVINCMDPLGRSALLIAIENENLEIMELLNHSVYVGDAL
LYAIRKEVVGAVELLLSYRRPSGEKQVPTLMMDTQFSEFTPDITPIMLAA
HTNNYEIIKLLVQKRV TIPRPHQIRCNCVECVSSSEVDSLRRHSRSLNIY
KALASPSLIALSSEDPILTAFRLGWELKELSKVENEFKAIEYEELSQQCKL
FAKDLLDQARSSRELEIILNHRDDHSEELDPQKYHDLAKLKVAIKYHQKE
FVAQPNCCQLLATLWYDGFPGWRRKHVVVLLTCMTIGFLFPMLSIAYLI
SPRSNLGLFIKKPFIFIKHTASYLTFLFMLLLASQHIVRTDLHVQGPPP
TVVEWMILPWVLGFIWGEIKEMWDGGFTEYIHDWWNLMDFAMNSLYLATI
SLKIVAYVKYNGSRPREEWEMWHPTLAEALFAISNILSSLRLISLFTAN
SHLGPLQISLGRMLLDILKFLFIYCLVLLAFANGLNQLYFYYETRAIDEP
NNCKGIRCEKQNNAFSTLFETLQSLFWSVFGLLNLYVTNVKARHEFTFV
GATMFGTYNVISLVLLNMLIAMMNSYQLIADHADIEWKFARTKLWMSY
FDEGGTLPFPFNIIPSPKSFYLYGNWFNNTFCPKRDPDGRRRRRNLRSFT
ERNADSLIQNQHYQEVIRNLVKRYVAAMIRNSKTHEGLTEENFKELKQDI
SSFRYEVLDLLGNRKHPRSFSTSSSTELSQRDDNNDGSGGARAKSKSVSFN
LGCKKKTCHGPPLIRTMPRSSGAQGKSKAESSSKRSFMGPSLKKLGLLFS
KFNGHMSEPSSEPMYTISDGIVQQHCMWQDIRYSQMEKGKAEACSQSEIN
LSEVELGEVQGAAQSSECPLACSSSLHCASSICSSNSKLLDSSSEDVFETW

GEACDLLMHKWGDGQEEQVTTRL

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

TRPC5

Full Name

Transient receptor potential cation channel subfamily C member 5

Introduction

This gene belongs to the transient receptor family. It encodes one of the seven mammalian TRPC (transient receptor potential channel) proteins. The encoded protein is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4. It also interacts with multiple proteins including calmodulin, CABP1, enkurin, Na(+)-H+ exchange regulatory factor (NHERF), interferon-induced GTP-binding protein (MX1), ring finger protein 24 (RNF24), and SEC14 domain and spectrin repeat-containing protein 1 (SESTD1).

Alternative Names

TRP5; PPP1R159; short transient receptor potential channel 5; TRP-5; hTRP5; protein phosphatase 1, regulatory subunit 159; transient receptor potential channel 5; transient receptor protein 5; TRPC5; Transient receptor potential cation channel subfamily C member 5

Gene ID

[7224](#)

UniProt ID

[Q9UL62](#)