

# Product Information

## **MemDX™ Membrane Protein Human TRPV6 (Transient receptor potential cation channel subfamily V member 6) Full Length**

Cat. No.: **MPC0975K**

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

This product is a 87.2 kDa Human TRPV6 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

TRPV6

#### Protein Length

Full length

#### Protein Class

Transporter; Ion channel

#### Molecular Weight

87.2 kDa

#### TMD

6

#### Sequence

MGPLQGDGGPALGGADVAPRLSPVRVWPRPQAPKEPALHPMGLSLPKEKG  
LILCLWSKFCRWFQRRESWAQSRDEQNLLQQKRIWESPLLLAAKDNDVQA  
LNKLLKYEDCKVHQRGAMGETALHIAALYDNLEAAMVLMEAAPELVFEPM  
TSELYEGQTALHIAVVNQNMNLVRALLARRASVSARATGTAFRRSPCNLI  
YFGEHPLSFAACVNSEEIVRLIEHGADIRAQDSLGNLTVLHILILQPNKT  
FACQMYNLLLSYDRHGDHLQPLDLVPNHQGLTPFKLAGVEGNTVMFQHLM  
QKRKHTQWTYGPLTSTLYDLTEIDSSGDEQSLELIITTKKREARQILDQ  
TPVKELVSLKWKRYGRPYFCMLGAIYLLYIICFTMCCYRPLKPRTNNRT  
SPRDNTLLQKLLQEAYMTPKDDIRLVGELVTVIGAIILLVEVPDIFRM  
GVTRFFGQTLGGPFHVLITYAFMVLVTMVMRLISASGEVVPMSFALVL  
GWCNVMYFARGFQMLGPFTIMIQKMIFGDLMRFCWLMVAVVILGFASAFYI  
IFQTEDPEELGHFYDYPMALFSTFELFTIIDGPANYNVDLPFMYSITYA  
AFAIATLLMLNLLIAMMGDTHWRVAHERDELWRAQIVATTVMLEKRLPR  
CLWPRSGICGREYGLGDRWFLRVEDRQDLNRQRIQRYAQAFHTRGSEDLD  
KDSVEKLELGCPFSPHLSLPMPVSRSTSRSSANWERLRQGTLRDLRGI  
INRGLEDGESWEYQI

## Product Description

### Expression Systems

HEK293

### 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

TRPV6

### Full Name

Transient receptor potential cation channel subfamily V member 6

### Introduction

This gene encodes a member of a family of multipass membrane proteins that functions as calcium channels. The encoded protein contains N-terminal ankyrin repeats, which are required for channel assembly and regulation. Translation initiation for this protein occurs at a non-AUG start codon that is decoded as methionine. This gene is situated next to a closely related gene for transient receptor potential cation channel subfamily V member 5 (TRPV5). This locus has experienced positive selection in non-African populations, resulting in several non-synonymous codon differences among individuals of different genetic backgrounds.

### Alternative Names

CAT1; CATL; ZFAB; ECAC2; ABP/ZF; HRPTTN; LP6728; HSA277909; transient receptor potential cation channel subfamily V member 6; Alu-binding protein with zinc finger domain; calcium transport protein 1; calcium transporter-like protein; epithelial apical membrane calcium transporter/channel CaT1; epithelial calcium channel 2; TRPV6; Transient receptor potential cation channel subfamily V member 6

### Gene ID

[55503](#)

### UniProt ID

[Q9H1D0](#)