

Product Information

Magic™ Membrane Protein Human TRPV6 (Transient receptor potential cation channel subfamily V member 6) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2862K**

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

This product is a Human TRPV6 membrane protein expressed *in vitro* *E.coli* 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

TRPV6

Protein Length

Full Length

Protein Class

Ion channel, Transport

TMD

6

Sequence

MGLSLPKEKGLILCLWSKFCRWFQRRESWAQSRDEQNLLQQKRIWESPLLLAAKDNDVQALNKLLKYEDCK
VHQRGAMGETALHIAALYDNLEAAMVLMEAAPELVFEPMTSELYEGQTALHIAVVNQNMNLVRALLARRA
SVSARATGTAFRRSPCNLIYFGEHPLSFAACVNSEEIVRLIEHGADIRAQDSLGNLTVLHILQPNKTF
ACQMYNLLLSDYRHGDHLQPLDLVPHQGLTPFKLAGVEGNTVMFQHLMQKRKHTQWTYGLTSTLYDLT
EIDSSGDEQSLELIITTKREARQILDQTPVKELVSLKWKRYGRPYFCMLGAIYLLYIICFTMCCYRP
LKPRTNRTSPRDNLTLLQQKLLQEAYMTPKDDIRLVGELVTVIGAIILLVEVPDIFRMGVTRFFGQITL
GGPFHVLITYAFMVLVTMVMRLISASGEVVPMSFALVLGWCNVMYFARGFQMLGPFITIMIQKMIFGDLM
RFCWLMMAVVILGFASAFYIIFQTEDPEELGHFYDYPMALFSTFELFTIIDGPANYNVDLPFMYSITYAA
FAIATLLMLNLLIAMMGDTHWRVAHERDELWRAQIVATTVMLEKLPCLWPRSGICGREYGLGDRWFL
RVEDRQDLNRQRIQRYAQAFHTRGSEDLDKDSVEKLELGCPFSPHLSLPMPSPSRSTSRSSANWERLRQG
TLRRDLRGIINRGLEDGESWEYQI

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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

TRPV6; CAT1; CATL; ZFAB; ECAC2; ABP/ZF; HRPTTN; LP6728; HSA277909; 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; Transient receptor potential cation channel subfamily V member 6

Gene ID

[55503](#)

UniProt ID

[Q9H1D0](#)