

Product Information

MemDX™ Membrane Protein Human TRPV6 (Transient receptor potential cation channel subfamily V member 6) for Antibody Discovery

Cat. No.: **MP1447X**

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

This product is a 79.8 kDa Human TRPV6 membrane protein expressed in *In vitro* wheat germ 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

Molecular Weight

79.8 kDa

TMD

6

Sequence

MGLSLPKEKGLILCLWSKFCRWFQRRESWAQSRDEQNLLQKRIWESPLLLAAKDNDVQALNKLLKYEDCKVHQRGAMGETALH

Product Description

Application

Antibody Production

Expression Systems

in vitro wheat germ expression system

Tag

NO

Protein Format

Liposome

Form

Liquid

Purification

None

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

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

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

Gene ID

[55503](#)

UniProt ID

[Q9H1D0](#)