

Recombinant Human TRPV6 Protein, His-tagged

Cat. No. TRPV6-349H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TRPV6(Met578~Ile725) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met578~Ile725
Description	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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	21.2kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	TRPV6 transient receptor potential cation channel, subfamily V, member 6 [Homo sapiens]
Official Symbol	TRPV6
Synonyms	TRPV6; transient receptor potential cation channel, subfamily V, member 6; ECAC2, epithelial calcium channel 2; transient receptor potential cation channel subfamily V member 6; CaT1; caT-L; calcium channel CaT1; calcium transport protein 1; epithelial calcium channel 2; Alu-binding protein with zinc finger domain; epithelial apical membrane calcium transporter/channel CaT1; CAT1; CATL; ZFAB; ECAC2; ABP/ZF; LP6728; HSA277909;
Gene ID	55503
mRNA Refseq	NM_018646

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq	NP_061116
MIM	606680
UniProt ID	Q9H1D0

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA