

Recombinant Human TRPV6 293 Cell Lysate

Cat. No. TRPV6-729HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for transient receptor potential cation channel, subfamily V, member 6 (TRPV6) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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
Protein Refseq	NP_061116
MIM	606680
UniProt ID	Q9H1D0
Chromosome Location	7q34

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Pathway

Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; Salivary secretion, organism-specific biosystem; Salivary secretion, conserved biosystem; Signaling events mediated by PTP1B, organism-specific biosystem; TCR signaling in naive CD4+ T cells, organism-specific biosystem; TCR signaling in naive CD8+ T cells, organism-specific biosystem;

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