

Recombinant Human TRPV1 293 Cell Lysate

Cat. No. TRPV1-735HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for transient receptor potential cation channel, subfamily V, member 1 (TRPV1), transcript variant 2 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

TRPV1 transient receptor potential cation channel, subfamily V, member 1 [Homo sapiens]

Official Symbol

TRPV1

Synonyms

TRPV1; transient receptor potential cation channel, subfamily V, member 1; vanilloid receptor subtype 1 , VR1; transient receptor potential cation channel subfamily V member 1; OTRPC1; capsaicin receptor; osm-9-like TRP channel 1; vanilloid receptor subtype 1; transient receptor potential vanilloid 1a; transient receptor potential vanilloid 1b; VR1; DKFZp434K0220;

Gene ID

7442

mRNA Refseq

NM_018727

Protein Refseq

NP_061197

MIM

602076

UniProt ID

Q8NER1

Chromosome Location

17p13.3

Pathway

Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive

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ligand-receptor interaction, conserved biosystem; Trk receptor signaling mediated by PI3K and PLC-gamma, organism-specific biosystem; Trk receptor signaling mediated by the MAPK pathway, organism-specific biosystem;

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