

Recombinant Human TRPC1 293 Cell Lysate

Cat. No. TRPC1-746HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for transient receptor potential cation channel, subfamily C, member 1 (TRPC1) 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

TRPC1 transient receptor potential cation channel, subfamily C, member 1 [Homo sapiens]

Official Symbol

TRPC1

Synonyms

TRPC1; transient receptor potential cation channel, subfamily C, member 1; short transient receptor potential channel 1; HTRP 1; TRP-1; transient receptor protein 1; transient receptor potential canonical 1; TRP1; HTRP-1; MGC133334; MGC133335;

Gene ID

7220

mRNA Refseq

NM_001251845

Protein Refseq

NP_001238774

MIM

602343

UniProt ID

P48995

Chromosome Location

3q23

Pathway

Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; Axon guidance, organism-specific biosystem; Calcium signaling pathway,

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organism-specific biosystem; Calcium signaling pathway, conserved biosystem;
Developmental Biology, organism-specific biosystem; Glutamatergic synapse,
organism-specific biosystem;

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