

Recombinant Human TRPC6 293 Cell Lysate

Cat. No. TRPC6-741HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for transient receptor potential cation channel, subfamily C, member 6 (TRPC6) 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 TRPC6 transient receptor potential cation channel, subfamily C, member 6 [Homo sapiens]

Official Symbol TRPC6

Synonyms TRPC6; transient receptor potential cation channel, subfamily C, member 6; short transient receptor potential channel 6; TRP6; TRP-6; transient receptor protein 6; FSGS2; FLJ11098; FLJ14863;

Gene ID 7225

mRNA Refseq NM_004621

Protein Refseq NP_004612

MIM 603652

UniProt ID Q9Y210

Chromosome Location 11q22.1

Pathway Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; EPO signaling pathway, organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; Elevation of cytosolic Ca²⁺ levels,

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organism-specific biosystem; Endothelins, organism-specific biosystem; G alpha (q)
signalling events, organism-specific biosystem;

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