

Recombinant Human TRPC7 293 Cell Lysate

Cat. No. TRPC7-740HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for transient receptor potential cation channel, subfamily C, member 7 (TRPC7), transcript variant 1 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

TRPC7 transient receptor potential cation channel, subfamily C, member 7 [Homo sapiens]

Official Symbol

TRPC7

Synonyms

TRPC7; transient receptor potential cation channel, subfamily C, member 7; short transient receptor potential channel 7; TRP-7; hTRP7; transient receptor protein 7; putative capacitative calcium channel; likely ortholog of mouse transient receptor potential cation channel, subfamily C, member 7; TRP7;

Gene ID

57113

mRNA Refseq

NM_001167576

Protein Refseq

NP_001161048

UniProt ID

Q9HCX4

Chromosome Location

5q31.2

Pathway

Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; Elevation of cytosolic Ca²⁺ levels, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific

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biosystem; Hemostasis, organism-specific biosystem;

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