

Recombinant Human TRPC4 293 Cell Lysate

Cat. No. TRPC4-744HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for transient receptor potential cation channel, subfamily C, member 4 (TRPC4), transcript variant alpha 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

TRPC4 transient receptor potential cation channel, subfamily C, member 4 [Homo sapiens]

Official Symbol

TRPC4

Synonyms

TRPC4; transient receptor potential cation channel, subfamily C, member 4; short transient receptor potential channel 4; HTRP4; TRP4; trp-related protein 4; HTRP-4; MGC119570; MGC119571; MGC119572; MGC119573;

Gene ID

7223

mRNA Refseq

NM_001135955

Protein Refseq

NP_001129427

MIM

603651

UniProt ID

Q9UBN4

Chromosome Location

13q13.3

Pathway

Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Netrin-1 signaling, organism-specific biosystem; Role of second messengers in netrin-1 signaling, organism-specific biosystem;

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