

Recombinant Human KCNK7 293 Cell Lysate

Cat. No. KCNK7-5031HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for potassium channel, subfamily K, member 7 (KCNK7), transcript variant D 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

KCNK7 potassium channel, subfamily K, member 7 [Homo sapiens]

Official Symbol

KCNK7

Synonyms

KCNK7; potassium channel, subfamily K, member 7; potassium channel subfamily K member 7; K2p7.1; two pore domain K⁺ channel; potassium channel, subfamily K, member 7, isoform B; TWIK3; MGC118782; MGC118784;

Gene ID

10089

mRNA Refseq

NM_033455

Protein Refseq

NP_258416

MIM

603940

UniProt ID

Q9Y2U2

**Chromosome
Location**

11q13

Pathway

Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Tandem of pore domain in a weak inwardly rectifying K⁺ channels (TWIK), organism-specific biosystem; Tandem pore domain potassium channels, organism-specific biosystem;

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Function

potassium channel activity; voltage-gated ion channel activity;

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