

Recombinant Human KCNK7 293 Cell Lysate

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

SPECIFICATION

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.
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

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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;
Function	potassium channel activity; voltage-gated ion channel activity;

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