

Recombinant Human KCNK6 293 Cell Lysate

Cat. No. KCNK6-5032HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for potassium channel, subfamily K, member 6 (KCNK6) 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	KCNK6 potassium channel, subfamily K, member 6 [Homo sapiens]
Official Symbol	KCNK6
Synonyms	KCNK6; potassium channel, subfamily K, member 6; potassium channel subfamily K member 6; K2p6.1; TWIK 2; K2P6.1 potassium channel; TWIK-originated similarity sequence; TWIK-originated sodium similarity sequence; inward rectifying potassium channel protein TWIK-2; TOSS; KCNK8; TWIK2; TWIK-2; FLJ12282;
Gene ID	9424
mRNA Refseq	NM_004823
Protein Refseq	NP_004814
MIM	603939
UniProt ID	Q9Y257
Chromosome Location	19q13.1
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

inward rectifier potassium channel activity; potassium channel activity; voltage-gated ion channel activity;

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