

Recombinant Human KCNK18 293 Cell Lysate

Cat. No. KCNK18-5037HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for potassium channel, subfamily K, member 18 (KCNK18) 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	KCNK18 potassium channel, subfamily K, member 18 [Homo sapiens]
Official Symbol	KCNK18
Synonyms	KCNK18; potassium channel, subfamily K, member 18; potassium channel subfamily K member 18; K2p18.1; TRESK; TRESK 2; TRESK2; TRIK; TWIK related spinal cord K+ channel; TWIK-related individual K+ channel; TWIK-related spinal cord K+ channel; TWIK-related individual potassium channel; TWIK-related spinal cord potassium channel; MGR13; TRESK-2;
Gene ID	338567
mRNA Refseq	NM_181840
Protein Refseq	NP_862823
MIM	613655
UniProt ID	Q7Z418
Chromosome Location	10q26.11
Pathway	Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; TWIK-related spinal cord K+ channel (TRESK), organism-specific biosystem; Tandem pore domain potassium channels, organism-specific biosystem;

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Function

calcium-activated potassium channel activity; ion channel activity; outward rectifier potassium channel activity; potassium channel activity;

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