

Recombinant Human KCNK18 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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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

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

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	biosystem; Tandem pore domain potassium channels, organism-specific biosystem;
Function	calcium-activated potassium channel activity; ion channel activity; outward rectifier potassium channel activity; potassium channel activity;