

Recombinant Human KCNK10 293 Cell Lysate

Cat. No. KCNK10-5038HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for potassium channel, subfamily K, member 10 (KCNK10), transcript variant 2 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

KCNK10 potassium channel, subfamily K, member 10 [Homo sapiens]

Official Symbol

KCNK10

Synonyms

KCNK10; potassium channel, subfamily K, member 10; potassium channel subfamily K member 10; K2p10.1; TREK 2; TREK2; potassium channel TREK-2; TWIK-related K⁺ channel 2; TREK-2 K(+) channel subunit; 2P domain potassium channel TREK2; outward rectifying potassium channel protein TREK-2; TREK-2; FLJ43399;

Gene ID

54207

mRNA Refseq

NM_138317

Protein Refseq

NP_612190

MIM

605873

UniProt ID

P57789

Chromosome Location

14q31

Pathway

Gastric acid secretion, organism-specific biosystem; Gastric acid secretion, conserved biosystem; Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; TWIK related potassium channel (TREK),

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organism-specific biosystem; Tandem pore domain potassium channels, organism-specific biosystem;

Function

potassium channel activity; voltage-gated ion channel activity;

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