# Recombinant Human KCNK2 Lysate

**Cat. No.** KCNK2-97HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human KCNK2 protein transcript variant 2 was overexpressed in human 293 cells (HEK293). |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | This gene encodes one of the members of the two-pore-domain background potassium channel protein family. This type of potassium channel is formed by two homodimers that create a channel that leaks potassium out of the cell to control resting membrane potential. The channel can be opened, however, by certain anesthetics, membrane stretching, intracellular acidosis, and heat. Three transcript variants encoding different isoforms have been found for this gene. |
| **Form** | RIPA buffer |
| **Molecular Mass** | 45.5 kDa |
| **Applications** | WB positive control |
| **Storage** | The lysate is shipped with dry ice. Upon receiving, store the sample at -20 centigrade. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored a |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| **Reconstitution** | To use as WB positive control, spin down briefly and resuspend in 20ul 2X SDS Sample Buffer (4%SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT). Load 5ul per laneor use as desired. |

## GENE INFORMATION

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| **Gene Name** | KCNK2 |
| **Official Symbol** | KCNK2 |
| **Synonyms** | KCNK2; potassium channel, subfamily K, member 2; potassium channel subfamily K member 2; K2p2.1; TREK 1; K2P2.1 potassium channel; TREK-1 K(+) channel subunit; two-pore potassium channel 1; TWIK-related potassium channel 1; two pore potassium channel TPKC1; two pore domain potassium channel TREK-1; tandem-pore-domain potassium channel TREK-1; outward rectifying potassium channel protein TREK-1; potassium inwardly-rectifying channel, subfamily K, member 2; TREK; TPKC1; TREK1; TREK-1; hTREK-1c; hTREK-1e; MGC126742; MGC126744; |
| **Gene ID** | 3776 |
| **mRNA Refseq** | NM_001017424 |
| **Protein Refseq** | NP_001017424 |
| **MIM** | 603219 |
| **UniProt ID** | O95069 |

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