Recombinant Human KCNK4 protein, Myc/DDK-tagged

Cat. No. KCNK4-30H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNK4 protein, fused to Myc/DDK-tag at C-terminus, was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
Description	This gene encodes a member of the TWIK-related arachidonic acid-stimulated two pore potassium channel subfamily. The encoded protein homodimerizes and functions as an outwardly rectifying channel. This channel is regulated by polyunsaturated fatty acids, temperature and mechanical deformation of the lipid membrane. This protein is expressed primarily in neural tissues and may be involved in regulating the noxious input threshold in dorsal root ganglia neurons. Alternate splicing results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream testis expressed 40 (TEX40) gene, as represented in GeneID: 106780802.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
Molecular Mass	42.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 μg/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	KCNK4
Official Symbol	KCNK4
Synonyms	KCNK4; potassium channel, subfamily K, member 4; potassium channel subfamily K member 4; K2p4.1; TRAAK; K2P4.1 potassium channel; two pore K+ channel KT4.1; two pore K(+) channel KT4.1; two pore potassium channel KT4.1; TWIK-related arachidonic acid-stimulated potassium channel protein; TRAAK1;
Gene ID	50801
mRNA Refseq	NM_033310
Protein Refseq	NP_201567
MIM	605720
UniProt ID	Q9NYG8
SDS-PAGE of KCNK4-30H	

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