

Recombinant Human KCNK1

Cat. No. KCNK1-28456TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human KCNK1 protein with an N terminal proprietary tag. Predicted MW 33.55 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	72 amino acids
Description	This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The product of this gene has not been shown to be a functional channel, however, it may require other non-pore-forming proteins for activity.
Molecular Weight	33.550kDa inclusive of tags
Tissue specificity	Widely expressed with high levels in heart and brain and lower levels in placenta, lung, liver and kidney.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione

 Tel: 1-631-559-9269 1-516-512-3133

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ETFCELHELKKFRKMFYVKKDKDEDQVHIIHDQLSFSSITDQAAGMKEDQKQNEPF VATQSSACVDGPANH
Sequence Similarities	Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.
GENE INFORMATION	
Gene Name	KCNK1 potassium channel, subfamily K, member 1 [Homo sapiens]
Official Symbol	KCNK1
Synonyms	KCNK1; potassium channel, subfamily K, member 1; potassium channel subfamily K member 1; DPK; K2p1.1; TWIK 1;
Gene ID	3775
mRNA Refseq	NM_002245
Protein Refseq	NP_002236
MIM	601745
Uniprot ID	O00180
Chromosome Location	1q42-q43
Pathway	Neuronal System, organism-specific biosystem; Potassium Channels, organism-

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specific biosystem; Tandem of pore domain in a weak inwardly rectifying K⁺ channels (TWIK), organism-specific biosystem; Tandem pore domain potassium channels, organism-specific biosystem;

Function

inward rectifier potassium channel activity; ion channel activity; potassium channel activity; voltage-gated ion channel activity;

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