

Recombinant Human KCNK18 protein, His-tagged

Cat. No. KCNK18-3927H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNK18 protein(143-290 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	143-290 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	LMFLVLTDTGDILATILSTSYNRFKFPFFTRPLLSKWCPKSLFKKKPDPKPADEAVP QIIISAEELPGPKLGTCPSPRSCSMELFERSHALEKQNTLQLPPQAMERSNSCPELVL GRLSYSIISNLDEVGQQVERLDIPLPIIALIV
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

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

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