Recombinant Human KCNK13 protein, GST-tagged

Cat. No. KCNK13-4014H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNK13 protein(286-338 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	286-338 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na_2HPO_4, 17 mM NaH_2PO_4, 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	SLNWILRKMDSGCCPQCQRGLLRSRRNVVMPGSVRNRCNISIETDGVAESDTD
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/

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	μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	KCNK13 potassium channel, subfamily K, member 13 [Homo sapiens]
Official Symbol	KCNK13
Synonyms	KCNK13; potassium channel, subfamily K, member 13; potassium channel subfamily K member 13; K2p13.1; THIK 1; THIK1; K2P13.1 potassium channel; tandem pore domain potassium channel THIK-1; tandem pore domain halothane-inhibited potassium channel 1; THIK-1;
Gene ID	56659
mRNA Refseq	NM_022054
Protein Refseq	NP_071337
MIM	607367
UniProt ID	Q9HB14

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