Recombinant Human KCNK2 Protein, His-tagged

Cat. No. KCNK2-1850H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KCNK2 Protein is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	Yeast
Description	Ion channel that contributes to passive transmembrane potassium transport (PubMed:23169818). Reversibly converts between a voltage-insensitive potassium leak channel and a voltage-dependent outward rectifying potassium channel in a phosphorylation-dependent manner (PubMed:11319556). In astrocytes, forms mostly heterodimeric potassium channels with KCNK1, with only a minor proportion of functional channels containing homodimeric KCNK2. In astrocytes, the heterodimer formed by KCNK1 and KCNK2 is required for rapid glutamate release in response to activation of G-protein coupled receptors, such as F2R and CNR1
Form	Tris-based buffer,50% glycerol
Molecular Mass	17.7 kDa
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	KCNK2 potassium channel, subfamily K, member 2 [Homo sapiens]
Official Symbol	KCNK2
Synonyms	KCNK2; K2p2.1; TREK 1; 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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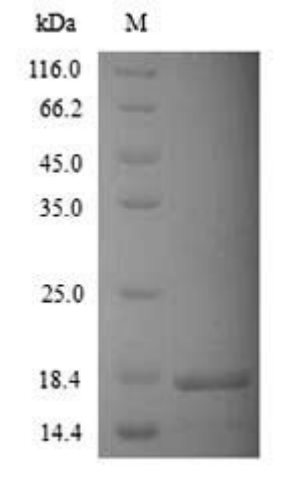

(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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