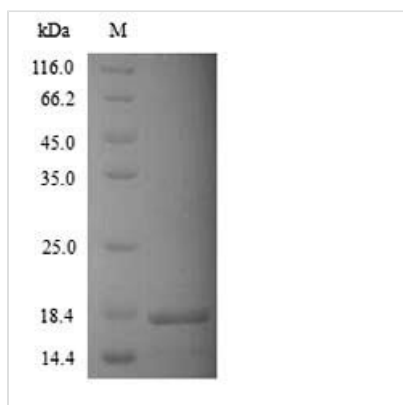




Recombinant Human Potassium channel subfamily K member 2 (KCNK2), partial

Product Code	CSB-YP012070HU
Relevance	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
Abbreviation	Recombinant Human KCNK2 protein, partial
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	O95069
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MLPSASRERPGYRAGVAAPDLLDPKSAAQNSKPRLSFSTKPTVLASRVESDTT INVMKWKTVSTIFLVVLYLIIGATVFKALEQPHEISQRTTIVIQKQTFISQHSCVN STELDELIQQIVAAINAGIPLGNTSNQISHWD
Research Area	Neuroscience
Source	Yeast
Target Names	KCNK2
Protein Names	Recommended name: Potassium channel subfamily K member 2 Alternative name(s): Outward rectifying potassium channel protein TREK-1 TREK-1 K(+) channel subunit Two pore domain potassium channel TREK-1 Two pore potassium channel TPKC1
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal His-tagged Tag-Free
Mol. Weight	17.7kDa
Protein Length	1-143aa
Image	



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

Shelf Life

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