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

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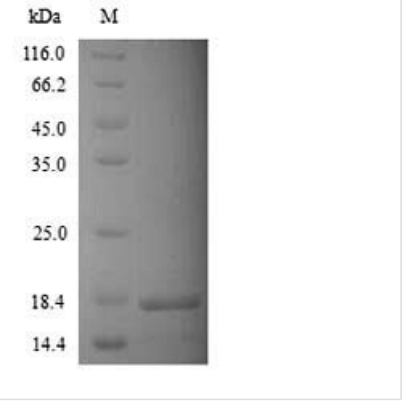
| **Product Code** | CSB-YP012070HU |
| **Relevance** | Ion channel that contributes to passive transmembrane potassium transport (PubMed:23169818). Reversibly converts between a voltage-insensitive potassium leak channel and a voltage-dependent outward rectifying potassium channel in a phosphorylation-dependent 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** | Greater than 90% as determined by SDS-PAGE. |
| **Sequence** | MLPSASRERPGYRAGVAAPDLLDPKSAAQNSKPRLSFSTKPTVLASRVESDTT INVMKWKTVSTIFLVVVLYLIIGATVFKALEQPHEISQRTTIVIQKQTFISQHSCVN STELDELIQQIVAAINAGIIPLGNTSNQISHWD |
| **Research Area** | Neuroscience |
| **Source** | Yeast |
| **Target Names** | KCNK2 |
| **Protein Names** | Recommended name: Potassium channel subfamily K member 2Alternative 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<br>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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