

# Recombinant Full Length Human Potassium Voltage-Gated Channel Subfamily S Member 1(Kcns1) Protein, His-Tagged

Cat. No. RFL2068HF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Recombinant Full Length Human Potassium voltage-gated channel subfamily S member 1(KCNS1) Protein (Q96KK3) (1-526aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** Full Length (1-526)

**Form** Lyophilized powder

**AA Sequence**

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MLMLLVRGTHYENLRKVVLPPLGGRSTETVSEFPGPDTGIRWRRSDEALRVNV
GGVR RQLSARALARFPGTRLGRLQAAASEEQARRLCDDYDEAAREFYFDRHPGFF
LSELLHFYRT GHLHVLDEL CVFAFGQEADYWGLGENALAACCRARYLERRLTQPHA
WDESDTPSSVDPC PDEISDVQRELARYGAARCGRLRRRLWLTMENPGYSLPSKL
FSCVVISVVLASIAAMCIH SLPEYQAREAAA AAVAAGRSPEGVRDDPVLRRLEYF
CIAWFSFEVSSRLLLAPSTRNF FCHPLNLIDIVSVLPFYLTLLAGVALGDQGGKEFGH
LGKVVQVFRMLRIFRVLKLRHST GLRSLGATLKHSYREVGILLYLAVGVSVFSGV
AYTAEKEEDVGFNTIPACWWWGTVSMT TVGYGDVVPVTVAGKLAASGCILGGILVV
ALPITIIFNKFSHFYRRQKALEAAVRNSNHQ EFEDLLSSIDGVSEASLETSRETSQEG
QSADLESQAPSEPPHPQMY
    
```

**Purity** Greater than 90% as determined by SDS-PAGE.

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|                       |   |
|-----------------------|---|
| <b>Notes</b>          | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Storage</b>        | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.  |
| <b>Storage Buffer</b> | Tris/PBS-based buffer, 6% Trehalose, pH 8.0   |
| <b>Reconstitution</b> | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |

## GENE INFORMATION

|                   |   |
|-------------------|---|
| <b>Gene Name</b>  | KCNS1   |
| <b>Synonyms</b>   | KCNS1; Potassium voltage-gated channel subfamily S member 1; Delayed-rectifier K(+ channel alpha subunit 1; Voltage-gated potassium channel subunit Kv9.1 |
| <b>UniProt ID</b> | <a href="https://www.uniprot.org/entry/Q96KK3">Q96KK3</a>   |

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