

# Recombinant Full Length Rat Potassium Voltage-Gated Channel Subfamily C Member 1(Kcnc1) Protein, His-Tagged

**Cat. No.** RFL5946RF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| <b>Product Overview</b> | Recombinant Full Length Rat Potassium voltage-gated channel subfamily C member 1(Kcnc1) Protein (P25122) (1-585aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Full Length (1-585)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | <p>MGQGDESERIVINVGGTRHQTYRSTLRTLPGTRLAWLAEPDAHSHFDYDPRADFF<br/> FDRH PGVFAHILNYYRTGKLHCPADVCGPLYEEELAFWGIDETDVEPCCWMTYRQ<br/> HRDAEEALD SFGGAPLDNSADDADADGPGDSGDGEDELEMTKRLALSDSPDGRP<br/> GGFWRRWQPRIWALF EDPYSSRYARYVAFASLFFILVSITTFCLETHERFNPIVNKT<br/> EIENVRNGTQVRYREAE TEAFLTYIEGVCVWFTFEFLMRVVFPCPNKVEFIKNSLNI<br/> IDFVAILPFYLEVGLSGLSS KAAKDVGLFLRVRFVRILRIFKLTRHFVGLRVLGHTLR<br/> ASTNEFLLLIIFLALGVLIFA TMIYYAERIGAQPNDPSASEHTHFKNIPIGFWWAVVTM<br/> TTLGYGDMYPQTWSGMLVGALC ALAGVLTIAMPPVPVIVNNFGMYSLAMAKQKLPK<br/> KKKKHIPRPPQLGSPNYCKSVVNSPH HSTQSDTCPLAQEEILEINRADSKLNGEVAK<br/> AALANEDCPHIDQALTPEGLPFTRSGTR ERYGPCFLLSTGEYACPPGGGMRKDL<br/> CKESPVIKYMPTAEVRVT</p> |

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|                       |                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>   | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                    |
| <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>  | Kcnc1                                                                                                                                                               |
| <b>Synonyms</b>   | Kcnc1; Potassium voltage-gated channel subfamily C member 1; NGK2; RAW2; Voltage-gated potassium channel subunit Kv3.1; Voltage-gated potassium channel subunit Kv4 |
| <b>UniProt ID</b> | <a href="#">P25122</a>                                                                                                                                              |

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