

# Recombinant Full Length Rat Potassium Channel Subfamily K Member 9(Kcnk9) Protein, His-Tagged

**Cat. No.** RFL32126RF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Rat Potassium channel subfamily K member 9(Kcnk9) Protein (Q9ES08) (1-396aa), 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 (1-396)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | <p>                     MKRQNVRTLSLIACTFTYLLVGA AVFDALESDHEMREEEKLKAE EVRLRGKYNISSD<br/>                     DYQ QLELVILQSEPHRAGVQWKFAGSFYFAITVITTIGYGHAAPGTDAGKAFCMFYA<br/>                     VLGIPL TLVMFQSLGERMNTFVRYLLKRIKKCCGMRNTEVSMENMVTVGFFSCMGT<br/>                     LCLGAAAFSQ CEDWSFFHAYYYCFITLTTIGFGDFVALQSKGALQRKPFYVAFSFMY<br/>                     ILVGLTVIGAFLN LVVLRFLTMNTDEDLLEGEVAQILAGNPRRVVVRVPQSRKRHHP<br/>                     MYFLRKYGRTL CYLCF PGANWGDDDDDDDDAVENVVVTTPVPPAVAAAAAAATPG<br/>                     PSTRNVRATVHSVSCRVEEIP PDVLRNTYFRSPFGAIPPGMHTCGENHRLHIRR KSI                 </p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>  | Kcnk9                                                                                                                                                                                                            |
| <b>Synonyms</b>   | Kcnk9; Task3; Potassium channel subfamily K member 9; Acid-sensitive potassium channel protein TASK-3; TWIK-related acid-sensitive K(+) channel 3; Two pore potassium channel KT3.2; Two pore K(+) channel KT3.2 |
| <b>UniProt ID</b> | <a href="#">Q9ES08</a>                                                                                                                                                                                           |

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