

# Recombinant Full Length Rat Potassium Channel Subfamily K Member 3(Kcnk3) Protein, His-Tagged

Cat. No. RFL13677RF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Rat Potassium channel subfamily K member 3(Kcnk3) Protein (O54912) (1-411aa), 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 (1-411)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MKRQNVRTLALIVCTFTYLLVGAAVFDALESEPEMIERQRLELRQLELRARYNLSEG  GYE ELERVVLRLKPHKAGVQWRFAGSFYFAITVITTIGYGHAAPSTDGGKVFCMFYA  LLGIPL TLVMFQSLGERINTFVRYLLHRAKRGLGMRHAEVSMANMVLIGFVSCISTLC  IGAAAFSY YERWTFQAYYYCFITLTTIGFGDYVALQKDQALQTQPQYVAFSFVYILT  GLTVIGAFLN LVVLRFMTMNAEDEKRDAEHRALLTHNGQAGGLGGLSCLSGSLGD  GVRPRDPVTCAAAG GMGVGVGVGGSGFRNVYAEMLHFQSMCSCLWYKSREKL  QYSIPMIIPRDLSTSDTCVEHS HSSPGGGGRYSDTPSHPCCLCSGTQRSAISSVSTGL  HSLATFRGLMKRRSSV</p>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Applications</b>	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>	Kcnk3
<b>Synonyms</b>	Kcnk3; Task; Task1; Potassium channel subfamily K member 3; Acid-sensitive potassium channel protein TASK-1; TWIK-related acid-sensitive K(+ channel 1; Two pore potassium channel KT3.1; Two pore K(+ channel KT3.1
<b>UniProt ID</b>	<a href="https://www.uniprot.org/entry/O54912">O54912</a>

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