

# Recombinant Full Length Rat Small Conductance Calcium-Activated Potassium Channel Protein 3(Kcnn3) Protein, His-Tagged

**Cat. No.** RFL18835RF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Rat Small conductance calcium-activated potassium channel protein 3(Kcnn3) Protein (P70605) (1-732aa), 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 (1-732)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MDTSGHFHDSGVGDLDEDPKCPCPSSGDEQQQQQQPPPPSAPPAVPPQPPGPLL            QPQPPQ LQQQQQQQQQQQQQQQQQQQAPLHPLPQLAQLQSQLVHPGLLHSSPT            AFRAPNSANSTAI LHPSSRQGSQNLNLDHLLGHSPSSTATSGPGGGSRRHRQASPL            VHRRDSNPFTEIAMSSCK YSGGVMKPLSRLSASRRNLIEAEPEGQPLQLFSPSNPP            EIISSREDNHAHQTLHHPNA THNHQHAGTTAGSTTFPKANKRKNQNIGYKLGHRR            ALFEKRKRLSDYALIFGMFGIVVMV IETELSWGLYSKDSMFLALKCLISLSTIILLGLII            AYHTREVQLFVIDNGADDWRIAMT YERILYISLEMLVCAIHPIPGGEYKFFWTARLAFS            YTPSRAEADVDIILSIPMFLRLYLIA RVMLLHSKLFTDASSRSIGALNKINFNTRFVMKT            LMTICPGTVLLVFSISLWIAAWTVR VCERYHDQQDVTSNFLGAMWLISITFLSIGYGD            MVPHTYCGKGVCLLTGIMGAGCTALVV AVVARKLELTKAEKHVHNFMMDTQLTKRI</p>

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KNAANVLRRETWLIYKHTKLLKKIDHAKVRK HQRKFLQAIHQLRGVKMEQRKLSDDQA  
 NTLVDLSKMQNVMYDLITELNDRSEDLEKQIGSL ESKLEHLTASFNSLPLLIADTLRQ  
 QQQQLLTAFVEARGISVAVGTSHAPPSDPIGISST SFPTPYTSSSSC

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

**Applications** SDS-PAGE

**Notes** Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

**Storage** Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Tris/PBS-based buffer, 6% Trehalose, pH 8.0

**Reconstitution** 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

**Gene Name** Kcnn3

**Synonyms** Kcnn3; Small conductance calcium-activated potassium channel protein 3; SK3; SKCa 3; SKCa3; KCa2.3

**UniProt ID** [P70605](#)

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