

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

**Cat. No.** RFL15172MF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Full Length Mouse Small conductance calcium-activated potassium channel protein 3(Kcnn3) Protein (P58391) (1-731aa), fused to N-terminal His tag, was expressed in E. coli.

**Species**                      Mus musculus

**Source**                        E.coli

**ProteinLength**              Full Length (1-731)

**Form**                          Lyophilized powder

**AA Sequence**

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MDTSGHFHDSGVGDLDEDPKCPCPSSGDEQQQQQPPPPPPAPPAVPQQPPGPLL
QPQPPQ PQQQSQQQQQQQSQQQQAPLHPLPQLAQLQSQLVHPGLLHSSPTA
FRAPTSANSTAIL HPSSRQGSQNLNDHLLGHSPSSTATSGPGGGSRHRQASPLVH
RRDSNPFTEIAMSSCKY SGGVMKPLSRLSASRRNLIEAEPEGQPLQLFSPSNPPEIII
SSREDNHAHQTLHHPNAT HNHQHAGTTAGSTTFPKANKRKNQNIGYKLGHRRAL
FEKRKRLSDYALIFGMFGIVVMVI ETELSWGLYSKDSMFLALKCLISLSTVILLGLIIA
YHTREVQLFVIDNGADDWRIAMTY ERIFYISLEMLVCAIHPIPGEYKFFWTARLAFSY
TPSRAEADVDIILSIPMFLRLYLIAR VMLLHSKLFTDASSRSIGALNKINFNTRFVMKTL
MTICPGTVLLVFSISLWIAAWTVRV CERYHDQQDVTSNFLGAMWLISITFLSIGYGD
MVPHTYCGKGVCLLTGIMGAGCTALVVA VVARKLELTKAEKHVHNFMMMDTQLTKRI
    
```

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KNAATNVLRETWLVYKHTKLLKKIDHAKVRKH QRKFLQAIHQLRGVKMEQRKLSQ  
 ANTLVDLSKMQNVMYDLITELNDRSEDLEKQIGSLE SKLEHLTASFNSLPLLIADTLR  
 QQQQQLLTAFVEARGISVAVGTSHAPPSDSPIGISSTS FPTYTSSSSC

**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; Sk3; Small conductance calcium-activated potassium channel protein 3; SK3; SKCa 3; SKCa3; KCa2.3

**UniProt ID** [P58391](#)

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