

# Recombinant Full Length Rat Small Conductance Calcium-Activated Potassium Channel Protein 1(Kcnn1) Protein, His-Tagged

**Cat. No.** RFL31466RF    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**      Recombinant Full Length Rat Small conductance calcium-activated potassium channel protein 1(Kcnn1) Protein (P70606) (1-536aa), fused to N-terminal His tag, was expressed in E. coli.

**Species**                      Rat

**Source**                        E.coli

**ProteinLength**              Full Length (1-536)

**Form**                          Lyophilized powder

**AA Sequence**

```
MSSRSHNGSVGRPLGSGPGFLGWEPVDPEAGRPRQPTQGPG LQMMAKGQPAGL
SPSGPRGHSQAQEEEEEEDEDRPGSGKPPTVSHRLGHRRALFEKRKRLSDYALIF
GMFGIVVMVTETELSWG VYTKESLCSFALKCLISLSTVILLGLVILYHAREIQLFLVDN
GADDWRIAMTWERVS LISLELAVCAIHPVPGHYRFTWTARLAFSLVPSAAEADVDVL
LSIPMFLRLYLLARV MLLHSRIFTDASSRSIGALNRVTFNTRFVTKLMTICPGTVLLVF
SISSWIVAAWTVRVCERYHDKQEVT SNFLGAMWLISITFLSIGYGDMVPHTYCGKGV
CLLTGIMGAGCTALV VAVVARKLELTKAEKHVHNFMMMDTQLTKRVKNAAANVLRET
WLIYKHTRLVKKPDQSRVRKHQRKFLQAIHQAKLRTVKIEQGVNDQANTLADLAK
AQSIAYEVVSELQAQ QEELEARLAALESRLDVLGASLQALPSLIAQAICPLPPPWPGP
SHLTAAQSPQSHWLPTTASDCG
```

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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>	Kcnn1
<b>Synonyms</b>	Kcnn1; Sk1; Small conductance calcium-activated potassium channel protein 1; SK1; SKCa 1; SKCa1; KCa2.1
<b>UniProt ID</b>	<a href="#">P70606</a>

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