

Recombinant Full Length Rat Small Conductance Calcium-Activated Potassium Channel Protein 2(Kcnn2) Protein, His-Tagged

Cat. No. RFL16380RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Rat Small conductance calcium-activated potassium channel protein 2(Kcnn2) Protein (P70604) (1-580aa), fused to N-terminal His tag, was expressed in E. coli.

Species Rat

Source E.coli

ProteinLength Full Length (1-580)

Form Lyophilized powder

AA Sequence

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MSSCRYNGGVMRPLSNLSSRRNLHEMDSEAQPLQPPASVVGSGGGASSPSAAA
AASSAPEIVVSKPEHNNSNNLALYGTGGGGSTGGGGGGGGGGGGSGHGSSSGT
KSSKKKNQNGIKLGHRRALFEKRKRLSDYALIFGMFGIVVMVIETELSWGAYDKASL
YSLALKCLISLSTIILLGLIIVYHAREIQLFMVDNGADDWRIAMTYERIFFICLEILVCAIHP
IPGNYTFTWTARLAFSYAPSTTTADVDIILSIPMFLRLYLRIARVMLLHSLKFTDASSRSI
GALNKINFNTRFVMKTLMTICPGTVLLVFSISLWIAAWTVRACERYHDQQDVTSNFL
GAMWLISITFLSIGYGDMVPNTYCGKGVCLLTGIMGAGCTALVVAVVARKLELTKAEK
HVHNFMMDTQLTKRVKNAANVLRETWLIYKNTKLVKKIDHAKVRKHQRKFLQAIHQ
LRSVKMEQRKLNQANTLVDLAKTQNMIDMISDLNERSEDFEKRIVTLETKLETIG
SIHALPGLISQTIRQQQRDFIETQMENYDKHVTYNAERSRSSSSRRRRSSSTAPPTSS
    
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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	Kcnn2
Synonyms	Kcnn2; Small conductance calcium-activated potassium channel protein 2; SK2; SKCa 2; SKCa2; KCa2.2
UniProt ID	P70604

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