

Recombinant Full Length Rat Potassium Voltage-Gated Channel Subfamily C Member 2(Kcnc2) Protein, His-Tagged

Cat. No. RFL2540RF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Rat Potassium voltage-gated channel subfamily C member 2(Kcnc2) Protein (P22462) (1-638aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Full Length (1-638)
Form	Lyophilized powder
AA Sequence	MGKIENNERVILNVGGTRHETYRSTLKTLPGTRLALLASSEPGGDCLTAAGDKLQPL PPP LSPPPRPPPLSPVPSGCFEGGAGNCSSHGGNGSDHPGGGREFFFDHRHPGVF AYVLNYYRT GKLHCPADVCGPLFEEELAFWGIDETDVEPCCWMTYRQHRDAEEAL DIFETPDLIGGDPG DDEDLGGKRLGIEDAAGLGGPDGKSGRWRKLQPRMWALFED PYSSRAARFIAFASLFFIL VSITTFCLETHEAFNIVKNKTEPVINGTSAVLQYEIETDPA LTYVEGVCVVWFTFEFLVR IVFSPNKLEFIKNLLNIIDFVAILPFYLEVGLSGLSSKAAK DVLGFLRVVRFVRILRIFK LTRHFVGLRVLGHTRLASTNEFLLLIIFLALGVLIFATMIYY AERVGAQPNDPSASEHTQ FKNIPIGFWWAVVTMTTLGYGDMYPQTWSGMLVGAL CALAGVLTIAMPPVIVNNFGMY SLAMAKQKLPRKRKKHIPPAPLASSPTFCKTEL NMACNSTQSDTCLGKENRLLLEHNRSVL SGDDSTGSEPPLSPPERLPPIRSSSTRDKN RRGETCFLTTGDYTCASDGGIRKGYEKSRS LNNIAGLAGNALRLSPVTSPYNSPC

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	PLRRSRSPIPSIL
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	Kcnc2
Synonyms	Kcnc2; Potassium voltage-gated channel subfamily C member 2; Potassium channel voltage-gated Shaw-related subfamily C member 2; Shaw-like potassium channel; Voltage-gated potassium channel subunit Kv3.2
UniProt ID	P22462

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