

Recombinant Full Length Rat Atp-Sensitive Inward Rectifier Potassium Channel 14(Kcnj14) Protein, His-Tagged

Cat. No. RFL21851RF Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Full Length Rat ATP-sensitive inward rectifier potassium channel 14(Kcnj14) Protein (O70596) (1-434aa), fused to N-terminal His tag, was expressed in E. coli.

Species Rat

Source E.coli

ProteinLength Full Length (1-434)

Form Lyophilized powder

AA Sequence

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MGLARALRRLSGALEPGNSRAGDEEEAGAGLCRNGWAPGPVAGNRRRGRFVKKD
GHCNVR FVNLGGQGARYLSDLFTTCVDVRWRWMCLLFSCSFLASWLLFGLTFWLI
ASLHGDLAAPP PPAPCFSQVASFLAAFLFALETQTSIGYGVRVTEECPAVAAVVL
QCIAGCVLDAFVVG AVMAKMAKPKKRNETLVFSENAVVALRDRRLCLMWRVGNLR
RSHLVEAHVRAQLLQPRVT PEGEYIPLDHQDQVDVGFDDGGTDRIFLVSPITIVHEIDSA
SPLYELGRAELARADFELVVI LEGMVEATAMTTQCRSSYLPGELLWGHRFEPVLFQ
RGSQYEVDYRHFHRTYEVPGTPVCS AKELDERAEQASHSPKSSFPGLAFCYEN
ELALSCQEEDEEEDTKEGTAETPDRAAS PQALTPTLALTLP
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Purity Greater than 90% as determined by SDS-PAGE.

Applications SDS-PAGE

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 45-1 Ramsey Road, Shirley, NY 11967, USA

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 multiple 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	Kcnj14
Synonyms	Kcnj14; Irk4; ATP-sensitive inward rectifier potassium channel 14; Inward rectifier K(+) channel Kir2.4; IRK-4; Potassium channel, inwardly rectifying subfamily J member 14
UniProt ID	O70596

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