

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

Cat. No. RFL29364MF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Mouse ATP-sensitive inward rectifier potassium channel 14(Kcnj14) Protein (Q8JZN3) (1-434aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Mus musculus
Source	E.coli
ProteinLength	Full Length (1-434)
Form	Lyophilized powder
AA Sequence	MGLARALRRLSGALEPGNSRAGDEEEAGAGLCRNGWAPGPVAGSRRRGRFVKKD GHCNVR FVNLGGQGARYLSDLFTTCVDVWRWRWMCLLFSCSFLASWLLFGLTFWLI ASLHGDLAAPP PPAPCFSQVASFLAAFLFALETQTSIGYGVRVTEECPAVAVAVL QCIAGCVLDAFVVG AVMAKMAKPKKRNETLVFSENAVVALRDHRLCLMWRVGNLR RSHLVEAHVRAQLLQPRVT PEGEYIPLDHQDQVDVGFDDGGTDRIFLVSPITIVHEIDSA SPLYELGRAELARADFELVVI LEGMVEATAMTTQCRSSYLPGELLWGHRFEPVLFQ RGSQYEVDYRHFHRTYEVPGTPVCS AKELDERAEQASHSPKSSFPGSLTAFICYEN ELALSCQEEDDEEDTKEGTS AETPERAAS PQALTPTLALTLP
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

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

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

[Q8JZN3](#)

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