

# Recombinant Full Length Mesocricetus Auratus Inward Rectifier Potassium Channel 4(Kcnj4) Protein, His-Tagged

Cat. No. RFL12045MF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Mesocricetus auratus Inward rectifier potassium channel 4(KCNJ4) Protein (Q64198) (1-444aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Mesocricetus auratus
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-444)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	MHGHNRNGQAHVPRRKRNRNFVKKNGQCENVYFANLSNKSQRYMADIFTTTCVDTR WRYMLM LFSAAFLVSWLFFGLLFWCIAFFHGDLEASPSVPAAGAPGGNGGAAPAA PKPCIMHVNGF LGAFLFSVETQTTIGYGFRCVTEECPLAVIAVVVQSIVGCVIDSFMI GTIMAKMARPKKR AQTLFSSHAVISVRDGKLCMLMWRVGNLRKSHIVEAHVRAQLIK PYMTQEGEYLPLDQRD LNVGYDIGLDRIFLVSPIIIVHEIDEDSPLYGMGKEELED FEIVVILEGMVEATAMTT QARSSYLASEILWGHRFEPVVFEEKSHYKVDYSRFHKTY EVAGTPCCSARELQESKITVL PAPPPrSAFCYENELALMSQEEEEEMEEEEAAAAA VAAGLGLLEAGPKKEEAGIIRMLEFGS HLDLERMQGTLPDNIYSYRRESAI
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Notes</b>	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](mailto: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**

KCNJ4

**Synonyms**

KCNJ4; IRK3; Inward rectifier potassium channel 4; Inward rectifier K(+ channel Kir2.3; IRK-3; Potassium channel, inwardly rectifying subfamily J member 4

**UniProt ID**

[Q64198](https://www.uniprot.org/entry/Q64198)

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