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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

KCNJ1 (Human) Recombinant Protein (P01)

Catalog Number: H00003758-P01

Regulation Status: For research use only (RUO)

Product Description: Human KCNJ1 full-length ORF (NP_722449.1, 1 a.a. - 389 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MPTVYLCSEQIRVLTESMFKHLRKWVTRFFGHRSRQR
ARLVSKDGRCNIEFGNVEAQRSRFFVVDIWTTLVLDLKW
RYKMTIFITAFGLGSWFFFGLLWYAVAYIHKDLPEFHPSA
NHTPCVENINGLTS AFLSLETQVTIGYGFRCVTEQCA
TAIFLLIFQSILGVIINSFMCGAILAKISRPKKRAKTITFSK
NAVISKRGGKLC LLIRVANLRKSL LIGSHIYGKLLKTTVT
PEGETIILDQININFVVDAGNENLFFISPLTIYHVIDHNSP
FFHMAAETLLQQDFELVVFLDGTVESTSATCQVRTSY
VPEEVLWGYRFAPIVSKTKEGKYRVD FHNFSKTVEVE
TPHCAMCLYNEKDVRARMKRGYDNP NFILSEVNETDD
TKM

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 71

Interspecies Antigen Sequence: Mouse (91)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3758

Gene Symbol: KCNJ1

Gene Alias: KIR1.1, ROMK, ROMK1

Gene Summary: Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. It is activated by internal ATP and probably plays an important role in potassium homeostasis. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Mutations in this gene have been associated with antenatal Bartter syndrome, which is characterized by salt wasting, hypokalemic alkalosis, hypercalciuria, and low blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]