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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

KCNJ4 (Human) Recombinant Protein (P01)

Catalog Number: H00003761-P01

Regulation Status: For research use only (RUO)

Product Description: Human KCNJ4 full-length ORF (CAK54537.1, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MHGHSRNGQAHVPRRKRNRNFVKKNGQC�VYFANL
SNKSQRYMADIFTTCDTRWRYMLMIFSAFLVSWLF
FGLLFWCIAFFHGDLEASPGVPAAGGPAAGGGGAAPV
APKPCIMHVNGFLGAFVSVETQTTIGYGFRCVTEECF
LAVIAVVVQSIVGCVIDSFMIGTIMAKMARPKKRAQTLL
FSHHAIVSVRDGKLCMLMWRVGNLRKSHIVEAHVRAQLI
KPYMTQEGEYLPDQRDLNVGYDIGLDRIFLVSPIIIVH
EIDEDSPLYGMGKEELEDSEDFEIVVILEGMVEATAMTT
QARSSYLASEILWGHRFEPVVFEESHYKVDYSRFHK
TYEVAGTPCCSARELQESKITVLPAPPPPPSAFCYENE
LALMSQEEEEEMEEEEAAAAVAAGLLEAGSKEEAGII
RMLEFGSHLDLERMQASLPLDNISYRRESAI

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 75.35

Interspecies Antigen Sequence: Mouse (98); Rat (97)

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: 3761

Gene Symbol: KCNJ4

Gene Alias: HIR, HIRK2, HRK1, IRK3, Kir2.3, MGC142066, MGC142068

Gene Summary: Several different potassium channels are known to be involved with electrical signaling in the nervous system. One class is activated by depolarization whereas a second class is not. The latter are referred to as inwardly rectifying K⁺ channels, and they have a greater tendency to allow potassium to flow into the cell rather than out of it. This asymmetry in potassium ion conductance plays a key role in the excitability of muscle cells and neurons. The protein encoded by this gene is an integral membrane protein and member of the inward rectifier potassium channel family. The encoded protein has a small unitary conductance compared to other members of this protein family. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]