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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

KCNJ11 (Human) Recombinant Protein (P01)

Catalog Number: H00003767-P01

Regulation Status: For research use only (RUO)

Product Description: Human KCNJ11 full-length ORF (NP_000516.3, 1 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:
MLSRKGIIPEEYVLTRLAEDPAKPRYRARQRRARFVSK
KGNCNVAHKNIREQGRFLQDVFTTLVDLKWPHTLLIFT
MSFLCSWLLFAMAWWLIAFAHGDLAPSEGTAEPCVTS
IHSFSSAFLFSIEVQVTIGFGGRMVTEECPLAILILIVQNI
VGLMINAIMLGCIFMKTAQAHRRAETLIFSKHAVIALRH
GRLCFMLRVGDLRKSMIISATIHMQVVRKTTSPEGEVV
PLHQVDIPMENGVGGNSIFLVAPLIIYHVIDANSPLYDLA
PSDLHHHQDLEIIVILEGVVETTGITTQARTSYLADEILW
GQRFVPIVAEEDGRYSVDYSKFGNTVKVPTPLCTARQ
LDEDHSLLEALTLASARGPLRKRSVPMAKAKPKFSISP
DSLS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 69.9

Interspecies Antigen Sequence: Mouse (96); Rat (96)

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: 3767

Gene Symbol: KCNJ11

Gene Alias: BIR, HHF2, IKATP, KIR6.2, MGC133230, PHHI, TNDM3

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. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and is found associated with the sulfonylurea receptor SUR. Mutations in this gene are a cause of familial persistent hyperinsulinemic hypoglycemia of infancy (PHHI), an autosomal recessive disorder characterized by unregulated insulin secretion. Defects in this gene may also contribute to autosomal dominant non-insulin-dependent diabetes mellitus type II (NIDDM), transient neonatal diabetes mellitus type 3 (TNDM3), and permanent neonatal diabetes mellitus (PNDM). [provided by RefSeq]