

ATP-sensitive inward rectifier potassium channel 1 (KCNJ1) Recombinant Protein | KCNJ1 recombinant protein

Recombinant Human ATP-sensitive inward rectifier potassium channel 1 (KCNJ1)

CATALOG # AAA113974	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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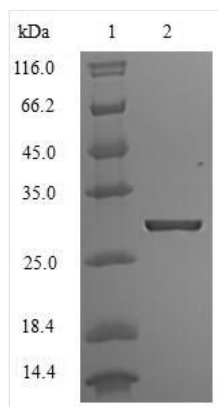
PRODUCT SYNONYMS

ATP-sensitive inward rectifier potassium channel 1 (KCNJ1); Recombinant Human ATP-sensitive inward rectifier potassium channel 1 (KCNJ1); Recombinant ATP-sensitive inward rectifier potassium channel 1 (KCNJ1); ATP-sensitive inward rectifier potassium channel 1; ATP-regulated potassium channel ROM-K Inward rectifier K(+) channel Kir1.1 Potassium channel; inwardly rectifying subfamily J membe; KCNJ1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	178-391aa; Cytoplasmic Domain
Sequence	ILAKISRPKK RAKTITFSKN AVISKRGGKL CLLIRVANLR KSLIGSHIY GKLLKTTVTP EGETIILDQI NINFVVDAGN ENLFFISPLT IYHVIDHNSP FFHMAAETLL QQDFELVVFL DGTVESTSAT CQVRTSYVPE EVLWGYRFAP IVSKTKEGKY RVD FHNFSKT VEVETPHCAM CLYNEKDVRA RMKRGYDNPN FILSEVNETD DTKM
Sequence Length	391
Species	Homo sapiens (Human)
Preparation and Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for KCNJ1 recombinant protein	In the kidney, probably plays a major role in potassium homeostasis. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This channel is activated by internal ATP and can be blocked by external barium.
Product Categories/Family for KCNJ1 recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504837
NCBI GeneID	3758
NCBI Accession #	NP_000211.1
NCBI GenBank Nucleotide #	NM_000220.4
UniProt Accession #	P48048 ; Q6LD67 ; B2RMR4
Molecular Weight	26.3 kDa
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 1 isoform a
NCBI Official Synonym Full Names	potassium inwardly-rectifying channel, subfamily J, member 1
NCBI Official Symbol	KCNJ1
NCBI Official Synonym Symbols	ROMK; ROMK1; KIR1.1
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 1; inwardly rectifying K+ channel; inward rectifier K(+) channel Kir1.1; ATP-regulated potassium channel ROM-K; potassium channel, inwardly rectifying subfamily J member 1
UniProt Protein Name	ATP-sensitive inward rectifier potassium channel 1
UniProt Gene Name	KCNJ1
UniProt Synonym Gene Names	ROMK1
UniProt Entry Name	IRK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.