

Recombinant Rat Kcnj10, His-tagged

Cat. No. Kcnj10-3755R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP-sensitive inward rectifier potassium channel 10 (Kcnj10)
Species	Rat
Source	E.Coli/Yeast
ProteinLength	379
Description	inwardly rectifying K ⁺ channel; specifically expressed in brain .
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of Kcnj10 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic

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procedures.

GENE INFORMATION

Gene Name	Kcnj10 potassium inwardly-rectifying channel, subfamily J, member 10 [<i>Rattus norvegicus</i>]
Official Symbol	Kcnj10
Synonyms	KCNJ10; potassium inwardly-rectifying channel, subfamily J, member 10; ATP-sensitive inward rectifier potassium channel 10; BIR10; BIRK1; kir4.1; inward rectifier K(+) channel Kir4.1; brain-specific inwardly rectifying K(+) channel 1; ATP-sensitive inward rectifier potassium channel KAB-2; potassium channel, inwardly rectifying subfamily J member 10;
Gene ID	29718
mRNA Refseq	NM_031602
Protein Refseq	NP_113790
Chromosome Location	13q24
Pathway	Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; G protein gated Potassium channels, organism-specific biosystem; GABA B receptor activation, organism-specific biosy
Function	ATP binding; identical protein binding; inward rectifier potassium channel activity; inward rectifier potassium channel activity; nucleotide binding; potassium channel

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activity; potassium channel activity; protein binding; voltage-gated ion channel activity;

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