

Recombinant Mouse Kcnj5 Protein, MYC/DDK-tagged

Cat. No. Kcnj5-1259M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse potassium inwardly-rectifying channel, subfamily J, member 5 (Kcnj5), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This potassium channel is controlled by G proteins. 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. Can be blocked by external barium.
Molecular Mass	48.1 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Kcnj5 potassium inwardly-rectifying channel, subfamily J, member 5 [Mus musculus (house mouse)]

Official Symbol Kcnj5

Synonyms Kcnj5; potassium inwardly-rectifying channel, subfamily J, member 5; CIR; GIRK4; KATP-1; Kir3.4; G protein-activated inward rectifier potassium channel 4; cardiac inward rectifier; heart KATP channel; inward rectifier K(+) channel Kir3.4; potassium channel, inwardly rectifying subfamily J member 5

Gene ID 16521

mRNA Refseq NM_010605

Protein Refseq NP_034735

UniProt ID P48545

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