Recombinant Mouse Kcnj9 Protein, MYC/DDK-tagged

Cat. No. Kcnj9-1261M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse potassium inwardly-rectifying channel, subfamily J, member 9 (Kcnj9), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This receptor 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.
Molecular Mass	44 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.
Concentration	>50 g/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name	Kcnj9 potassium inwardly-rectifying channel, subfamily J, member 9 [Mus musculus (house mouse)]
Official Symbol	Kcnj9
Synonyms	Kcnj9; potassium inwardly-rectifying channel, subfamily J, member 9; Girk3; Kir3.3; mbGIRK3; 1700085N21Rik; G protein-activated inward rectifier potassium channel 3; GIRK-3; inward rectifier K(+) channel Kir3.3; inwardly rectifier K(+) channel Kir3.3; potassium channel, inwardly rectifying subfamily J member 9
Gene ID	16524
mRNA Refseq	NM_008429
Protein Refseq	NP_032455
UniProt ID	P48543

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