Recombinant Human KCNJ6 Protein, MYC/DDK-tagged

Cat. No. KCNJ6-355H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KCNJ6 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This potassium channel may be involved in the regulation of insulin secretion by glucose and/or neurotransmitters acting through G-protein-coupled receptors. 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. [UniProtKB/Swiss-Prot Function]
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Molecular Mass	48.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	potassium voltage-gated channel subfamily J member 6 [Homo sapiens]
Official Symbol	KCNJ6
Synonyms	BIR1; GIRK-2; GIRK2; hiGIRK2; KATP-2; KATP2; KCNJ7; KIR3.2
Gene ID	3763
mRNA Refseq	NM_002240.3
Protein Refseq	NP_002231.1
MIM	600877
UniProt ID	P48051

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