

Product datasheet for **TP310184**

KCNJ5 (NM_000890) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human potassium inwardly-rectifying channel, subfamily J, member 5 (KCNJ5), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210184 representing NM_000890 Red =Cloning site Green =Tags(s) MAGDSRNAMNQDMEIGVTPWDPKKIPKQARDYVPIATDRTRLLAEGKKPRQRYMEKSGKCNVHHGQVQET YRYSDFLFTLLVDLKWRFNLLVFTMVYTVTWLFFGFIWWLIAYIRGDLHDHVGQEWIPCVENLSGFVSAF LFSIETETTIGYGRVITEKCEPIIILLVQAILGSIVNAFMVGC MFVKISQPKKRAETLMFSNNAVISM RDEKLCLMFRVGDRLNRSHIVEASIRAKLIKSRTKEGEFIPLNQTDINVGFDTGDDRLFLVSPLIISHEI NEKSPFWEMSQAQLHQEEFEVWVILEGMVEATGMTCQARSSYMDTEVLWGHFRFTPVLTLKGFYEVDYNT FHDTYETNTPSCCAKELAEMKREGRLQLYLPSPPLLGCAEAGLDAEAEQNEEDEPKGLGGSREARGSV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	47.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_000881</u>



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Locus ID: 3762

UniProt ID: [P48544](#), [A0A5J6E2W8](#)

RefSeq Size: 2912

Cytogenetics: 11q24.3

RefSeq ORF: 1257

Synonyms: CIR; GIRK4; KATP1; KIR3.4; LQT13

Summary: This gene encodes an integral membrane protein which belongs to one of seven subfamilies of inward-rectifier potassium channel proteins called potassium channel subfamily J. The encoded protein is a subunit of the potassium channel which is homotetrameric. It is controlled by G-proteins and has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Naturally occurring mutations in this gene are associated with aldosterone-producing adenomas. [provided by RefSeq, Aug 2017]

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:



Coomassie blue staining of purified KCNJ5 protein (Cat# TP310184). The protein was produced from HEK293T cells transfected with KCNJ5 cDNA clone (Cat# [RC210184]) using MegaTran 2.0 (Cat# [TT210002]).