

## Product datasheet for **TP310184L**

### **KCNJ5 (NM\_000890) Human Recombinant Protein**

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human potassium inwardly-rectifying channel, subfamily J, member 5 (KCNJ5), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC210184 representing NM_000890 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAGDSRNAMNQDMEIGVTPWDPKKIPKQARDYVPIATDRTRLLAEGKKPRQRYMEKSGKCNVHHGNVQET YRYSDFLFTLLVDLKWRFNLLVFTMVYTVTWLFFGFIWWLIAYIRGDLHDHVGQEWIPCVENLSGFVSAF LFSIETETTIGYGRVITEKCEPGEIILLVQAILGSIVNAFMVGC MFVKISQPKKRAETLMFSNNAVISM RDEKLCLMFRVGDRLNRSHIVEASIRAKLIKSRTKEGEFIPLNQTDINVGFDTGDDRLFLVSPLIISHEI NEKSPFWEMSQAQLHQEEFEVWVILEGMVEATGMTCQARSSYMDTEVLWGHFRFTPVLTLKGFYEVDYNT FHDTYETNTPSCCAKELAEMKREGRLQLYLPSPPLLGCAEAGLDAEAEQNEEDEPKGLGGSREARGSV  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	47.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u><a href="#">NP_000881</a></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]).