

Product datasheet for TP310184L

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

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), 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA >RC210184 representing NM_000890
Clone or AA Red=Cloning site Green=Tags(s)

Sequence:

MAGDSRNAMNQDMEIGVTPWDPKKIPKQARDYVPIATDRTRLLAEGKKPRQRYMEKSGKCNVHHGNVQET YRYLSDLFTTLVDLKWRFNLLVFTMVYTVTWLFFGFIWWLIAYIRGDLDHVGDQEWIPCVENLSGFVSAF LFSIETETTIGYGFRVITEKCPEGIILLLVQAILGSIVNAFMVGCMFVKISQPKKRAETLMFSNNAVISM RDEKLCLMFRVGDLRNSHIVEASIRAKLIKSRQTKEGEFIPLNQTDINVGFDTGDDRLFLVSPLIISHEI NEKSPFWEMSQAQLHQEEFEVVVILEGMVEATGMTCQARSSYMDTEVLWGHRFTPVLTLEKGFYEVDYNT FHDTYETNTPSCCAKELAEMKREGRLLQYLPSPPLLGGCAEAGLDAEAEQNEEDEPKGLGGSREARGSV

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: NP 000881



KCNJ5 (NM_000890) Human Recombinant Protein - TP310184L

Locus ID: 3762

UniProt ID: <u>P48544</u>, <u>A0A5J6E2W8</u>

RefSeq Size: 2912 Cytogenetics: 11q24.3 RefSeq ORF: 1257

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

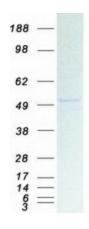
Summary: This gene encodes an integral membrane protein which belongs to one of seven subfamilies of

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]).