

## Product datasheet for TP316336

## OriGene Technologies, Inc.

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## KCNJ9 (NM\_004983) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human potassium inwardly-rectifying channel, subfamily J, member 9

(KCNJ9), 20 µg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC216336 representing NM\_004983

or AA Sequence: Red=Cloning site Green=Tags(s)

MAQENAAFSPGQEEPPRRRGRQRYVEKDGRCNVQQGNVRETYRYLTDLFTTLVDLQWRLSLLFFVLAYAL TWLFFGAIWWLIAYGRGDLEHLEDTAWTPCVNNLNGFVAAFLFSIETETTIGYGHRVITDQCPEGIVLLL LQAILGSMVNAFMVGCMFVKISQPNKRAATLVFSSHAVVSLRDGRLCLMFRVGDLRSSHIVEASIRAKLI RSRQTLEGEFIPLHQTDLSVGFDTGDDRLFLVSPLVISHEIDAASPFWEASRRALERDDFEIVVILEGMV EATGMTCQARSSYLVDEVLWGHRFTSVLTLEDGFYEVDYASFHETFEVPTPSCSARELAEAAARLDAHLY

WSIPSRLDEKVEEEGAGEGAGGEAGADKEQNGCLPPPESESKV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK
Predicted MW: 43.8 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 004974





**Locus ID:** 3765

 UniProt ID:
 Q92806

 RefSeq Size:
 3029

 Cytogenetics:
 1q23.2

 RefSeq ORF:
 1179

Synonyms: GIRK3; KIR3.3

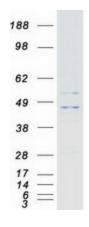
**Summary:** Potassium channels are present in most mammalian cells, where they participate in a wide

range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. It associates with another G-protein-activated potassium channel to form a

heteromultimeric pore-forming complex. [provided by RefSeq, Jul 2008]

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

## **Product images:**



Coomassie blue staining of purified KCNJ9 protein (Cat# TP316336). The protein was produced from HEK293T cells transfected with KCNJ9 cDNA clone (Cat# [RC216336]) using MegaTran 2.0 (Cat# [TT210002]).