

Product datasheet for **TP316336M**

KCNJ9 (NM_004983) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human potassium inwardly-rectifying channel, subfamily J, member 9 (KCNJ9), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC216336 representing NM_004983 Red =Cloning site Green =Tags(s) |

MAQENAAFSPGQEEPPRRRGRQRYVEKDGRNCNVQQGNVRETYRYLTDLFTTLVDLQWRLSLLFFVLAYAL
TWLFFGAIWWLIAYGRGDLEHLEDTAWTPCVNNLNGFVA AFLFSIETETTIGYGHRVITDQCPEGIVLLL
LQAILGSMVNAFMVGC MFVKISQPNKRAATLVFSSHAVVSLRDGRLCLMFRVGDRLRSSHIVEASIRAKLI
RSRQTLEGEFIPLHQTDLSVGFDTGDDRLFLVSPLVISHEIDAASPFWEASRRALERDDFEIVVILEGMV
EATGMTQARSSYLVDLWGHFRFVLTLEDGFYEVDYASFHETFEVPTPSCSARELAEAAAARLDAHLV
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: | <u>NP_004974</u> |



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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]).