

Product datasheet for **TP316336**

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 or AA Sequence:	>RC216336 representing NM_004983 Red =Cloning site Green =Tags(s)

MAQENAAFSPGQEEPPRRRGRQRYVEKDGR CNVQQGNVRETYRYLTDLFTTLVDLQWRLSLLFFVLAYAL
TWLFFGAIWWLIAYGRGDLEHLEDTAWTPCVNNLNGFVA AFLFSIETETTIGYGHRVITDQCPEGIVLLL
LQAILGSMVNAFMVGC MFVKISQPNKRAATLVFSSHAVVSLRDGRLCLMFRVGDLRSSHIVEASIRAKLI
RSRQTLEGEFIPLHQTDLSVGFDTGDDRLFLVSPLVISHEIDAASPFWEASRRALERDDFEIVVILEGMV
EATGMTCQARSSYLVD EVLWGHFRF SVLTLEDGFYEVDYASFHETFEVPTPSCSARELAEAAAARLDAHL Y
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



[View online »](#)

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]).