

## Product datasheet for PH316336

### KCNJ9 (NM\_004983) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	KCNJ9 MS Standard C13 and N15-labeled recombinant protein (NP_004974)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216336
Predicted MW:	43.8 kDa
Protein Sequence:	>RC216336 representing NM_004983 Red=Cloning site Green=Tags(s)

MAQENAAFSPGQEEPPRRRRGRQRYVEKDGRCNVQQGNVRETYRYLTDLFTTLVDLQWRLSLLFFVLAYAL  
TWLFFGAIWWLIAYGRGDLEHLEDTAWTPCVNNLNGFVAAFLFSIETETTIGYGHRVITDQCPEGIVLLL  
LQAILGSMVNAFMVGCMEFKISQPNKRAATLVSSHAVVSLRDGRLCLMFRVGDLRSSHIVEASIRAKLI  
RSRQTLEGEFIPLHQTDLSVGFDTGDDRLFLVSPLVISHEIDAASPFWEASRRALERDDFEIVVILEGMV  
EATGMTQARSSYLVEVLWHRFTSVLTLEDGFYEVDYASFHETFEVPTPSCSARELAEAAAARLDAHLY  
WSIPSRLEKVEEEGAGEGAGGEAGADKEQNGCLPPPESESKV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004974</a>
RefSeq Size:	3029
RefSeq ORF:	1179
Synonyms:	GIRK3; KIR3.3
Locus ID:	3765



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UniProt ID: [Q92806](#)

Cytogenetics: 1q23.2

**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]).