

Product datasheet for PH316336

OriGene Technologies, Inc.

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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:HumanExpression 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)

MAQENAAFSPGQEEPPRRRGRQRYVEKDGRCNVQQGNVRETYRYLTDLFTTLVDLQWRLSLLFFVLAYAL TWLFFGAIWWLIAYGRGDLEHLEDTAWTPCVNNLNGFVAAFLFSIETETTIGYGHRVITDQCPEGIVLLL LQAILGSMVNAFMVGCMFVKISQPNKRAATLVFSSHAVVSLRDGRLCLMFRVGDLRSSHIVEASIRAKLI RSRQTLEGEFIPLHQTDLSVGFDTGDDRLFLVSPLVISHEIDAASPFWEASRRALERDDFEIVVILEGMV EATGMTCQARSSYLVDEVLWGHRFTSVLTLEDGFYEVDYASFHETFEVPTPSCSARELAEAAARLDAHLY

WSIPSRLDEKVEEEGAGEGAGGEAGADKEQNGCLPPPESESKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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: NP 004974

RefSeq Size: 3029 RefSeq ORF: 1179

Synonyms: GIRK3; KIR3.3

Locus ID: 3765



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UniProt ID: Q92806

Cytogenetics: 1q23.2

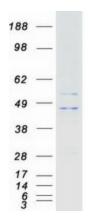
Summary: Potassium channels are present in most mammalian cells, where they participate in a wide

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]).