

Product datasheet for PH310184

KCNJ5 (NM_000890) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KCNJ5 MS Standard C13 and N15-labeled recombinant protein (NP_000881)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210184
Predicted MW:	47.5 kDa
Protein Sequence:	>RC210184 representing NM_000890 Red=Cloning site Green=Tags(s)

MAGDSRNAMNQDMEIGVTPWDPKKIPKQARDYVPIATDRTRLLAEGKKPRQRYMEKSGKCNVHHGNVQET
YRYLSDFTTLVDLKWRFNLLVFTMVYTVTWLFFGFIWWLIAYIRGDLHDHVGDEWIPCVENLSGFVSAF
LFSIETETTIGYGFRVITEKCEGIIILLVQAILGSIVNAFMVGC MFVKISQPKKRAETLMFSNNAVISM
RDEKLCLMFRVGDLRNSHIVEASIRAKLIKSRQTKEGEFIPLNQTDINVGFDTGDDRLFLVSPLIISHEI
NEKSPFWEMSQAQLHQEEFEVVVILEGMVEATGMTQARSSYMDTEVLWGHRTFVLTLEKGFYEVDYNT
FHDTYENTPSCCAKELAEKREGRLQLYLPSPPLGGCAEAGLDAEAEQNEDEPKGLGGSREARGSV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_000881</u>
RefSeq Size:	2912
RefSeq ORF:	1257
Synonyms:	CIR; GIRK4; KATP1; KIR3.4; LQT13
Locus ID:	3762



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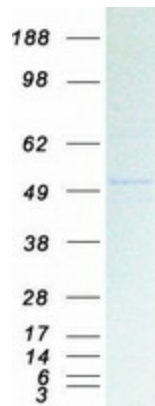
UniProt ID: [P48544](#), [A0A5J6E2W8](#)

Cytogenetics: 11q24.3

Summary: This gene encodes an integral membrane protein which belongs to one of seven subfamilies of inward-rectifier potassium channel proteins called potassium channel subfamily J. The encoded protein is a subunit of the potassium channel which is homotetrameric. It is controlled by G-proteins and has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Naturally occurring mutations in this gene are associated with aldosterone-producing adenomas. [provided by RefSeq, Aug 2017]

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

Product images:



Coomassie blue staining of purified KCNJ5 protein (Cat# [TP310184]). The protein was produced from HEK293T cells transfected with KCNJ5 cDNA clone (Cat# [RC210184]) using MegaTran 2.0 (Cat# [TT210002]).