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Product datasheet for TP526110

Kcnj5 (NM_010605) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse potassium inwardly-rectifying channel, subfamily J, member 5 (Kcnj5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226110 representing NM_010605 Red=Cloning site Green=Tags(s) MAGDSRNAMNQDMEIGVTSQDHKKIPKQARDYIPIATDRTRLLTEGKKPRQRYMEKTGKCNVHHGNVQET YRYLSDLFTTLVDLKWRFNLLVFTMVYTITWLFFGFIWWLIAYVRGDLDHVGDQEWIPCVENLSGFVSAF LFSIETETTIGYGFRVITEKCPEGIILLLVQAILGSIVNAFMVGCMFVKISQPKKRAETLMFSNNAVISM RDEKLCLMFRVGDLRNSHIVEASIRAKLIKSRQTKEGEFIPLNQTDINVGFDTGDDRLFLVSPLIISHEI NEKSPFWEMSRAQLEQEEFEVVVILEGMVEATGMTCQARSSYMDTEVLWGHRFTPVLTLEKGFYEVDYNT FHDTYETNTPSCCAKELAEMKRSGRLLQYLPSPPLLGGCAEAGNEAEAEKDEEGEPNGLSVSQATRGSM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	48.1 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
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 after receiving vials.
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_034735
Locus ID:	16521
UniProt ID:	P48545

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RefSeq Size:	4496
Cytogenetics:	9 17.65 cM
RefSeq ORF:	1257
Synonyms:	GIRK4; Kir3.4
Summary:	This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by external barium.[UniProtKB/Swiss-Prot Function]