

Product datasheet for TP523165

Kcnp2 (NM_145703) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Kv channel-interacting protein 2 (Kcnp2), transcript variant a, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR223165 representing NM_145703 Red =Cloning site Green =Tags(s)
	<p>MRGQGRKESLSESRDLDGSYDQLTGHPGPSKALKQRFLKLLPCCGPQALPSVSETLAAPASLRPHRPR PLDPDSVEDEFELSTVCHRPEGLEQLQEQTKFTRRELQVLYRGFKNECPGIVNEENFKQIYSQFFPQGD SSNYATFLFNAFDTNHDGSVSFEDFVAGLSVILRGITDDRLNWFNLYDLNKDGCITKEMLDIMKSIYD MMGKYTYPALREEAPREHVESFFQKMDRNKDGVTIEEFIESCQQDENIMRSMQLFDNVI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	31 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_663749
Locus ID:	80906
UniProt ID:	Q9JJ69 , Q3YAB3
RefSeq Size:	2414



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Cytogenetics: 19 38.75 cM

RefSeq ORF: 810

Synonyms: KChI; KChIP2

Summary: This gene encodes a member of the voltage-gated potassium channel-interacting protein (KCNIP) family. KCNIP family members are small calcium binding proteins that commonly exhibit unique variation at their N-termini, and which modulate A-type potassium channels. This gene is predominantly expressed in the adult heart, and to a lesser extent in the brain. Disruption of this gene is associated with susceptibility to cardiac arrhythmias and lack of transient outward potassium current in ventricular myocytes, and downregulated expression is associated with cardiac hypertrophy. The encoded protein has also been implicated as a repressor of immune response. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2013]