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Product datasheet for TP303823

KChIP2 (KCNIP2) (NM_173192) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Kv channel interacting protein 2 (KCNIP2), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203823 protein sequence Red=Cloning site Green=Tags(s) MRGQGRKESLSDSRDLDGSYDQLTGHPPGPTKKALKQRFLKLLPCCGPQALPSVSENSVDDEFELSTVCH RPEGLEQLQEQTKFTRKELQVLYRGFKNECPSGIVNEENFKQIYSQFFPQGDSSTYATFLFNAFDTNHDG SVSFEDFVAGLSVILRGTVDDRLNWAFNLYDLNKDGCITKEEMLDIMKSIYDMMGKYTYPALREEAPREH VESFFQKMDRNKDGVVTIEEFIESCQKDENIMRSMQLFDNVI TRTRPLEQKLISEEDLAANDILDYKDDDDKV		**Tag:**	C-Myc/DDK
Predicted MW:	28.8 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_775284
Locus ID:	30819

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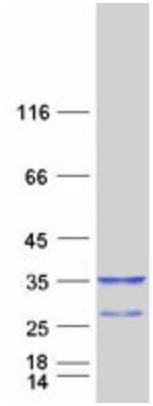
UniProt ID:	Q9NS61, B3KSZ5
RefSeq Size:	2509
Cytogenetics:	10q24.32
RefSeq ORF:	756
Synonyms:	KCHIP2
Summary:	This gene encodes a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified from this gene. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Ion Channels: Other

Product images:



Coomassie blue staining of purified KCNIP2 protein (Cat# TP303823). The protein was produced from HEK293T cells transfected with KCNIP2 cDNA clone (Cat# [RC203823]) using MegaTran 2.0 (Cat# [TT210002]).