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Product datasheet for PH319876

KChIP2 (KCNIP2) (NM_173191) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KCNIP2 MS Standard C13 and N15-labeled recombinant protein (NP_775283)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC219876
Predicted MW:	30.7 kDa
Protein Sequence:	>RC219876 representing NM_173191 Red=Cloning site Green=Tags(s) MRGQGRKESLSDSRDLDGSYDQLTGHPPGPTKKALKQRFLKLLPCCGPQALPSVSETLAAPASLRPHRPR LLDPDSVDDEFELSTVCHRPEGLEQLQEQTKFTRKELQVLYRGFKNECPSGIVNEENFKQIYSQFFPQGD SSTYATFLFNAFDTNHDGSVSFEDFVAGLSVILRGTVDDRLNWAFNLYDLNKDGCITKEEMLDIMKSIYD MMGKYTYPALREEAPREHVESFFQKMDRNKDGVVTIEEFIESCQKDENIMRSMQLFDNVI 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_775283
RefSeq Size:	2563
RefSeq ORF:	810
Synonyms:	KCHIP2
Locus ID:	30819
UniProt ID:	Q9NS61, B3KSZ5

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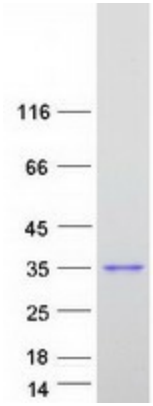
Cytogenetics: 10q24.32

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# [TP319876]). The protein was produced from HEK293T cells transfected with KCNIP2 cDNA clone (Cat# [RC219876]) using MegaTran 2.0 (Cat# [TT210002]).