

## Product datasheet for PH313131

### KCHIP2 (KCNIP2) (NM\_014591) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	KCNIP2 MS Standard C13 and N15-labeled recombinant protein (NP_055406)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213131
Predicted MW:	32.3 kDa
Protein Sequence:	>RC213131 representing NM_014591 Red=Cloning site Green=Tags(s)  MRGQGRKESLSDSRDLGSDYDQLTGHPGPTKKALKQRFKLLPCCGPQALPSVSEIGRVFRFLGDSSLP SALAAPASLRPHRPRLLDPDSVDFEFELSTVCHRPEGLEQLQEQTkFTRKELQVLYRGFKNECPGIVNE ENFKQIYSQFFPQGSSTYATFLFNAFDTNHDGVSFEDFVAGLSVILRGTVDDRLNWFANLYDLNKGDC ITKEEMLDIMKSIYDMMGKYTPALREEAPREHVESFFQKMDRNKDGVVITIEEFIESCQKDENIMRSMQL FDNVI  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_055406</a>
RefSeq Size:	2608
RefSeq ORF:	855
Synonyms:	KCHIP2
Locus ID:	30819



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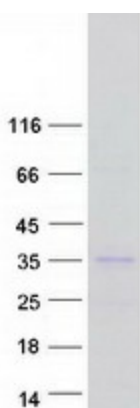
UniProt ID: [Q9NS61](#), [B3KSZ5](#)

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# [TP313131]). The protein was produced from HEK293T cells transfected with KCNIP2 cDNA clone (Cat# [RC213131]) using MegaTran 2.0 (Cat# [TT210002]).