

## Product datasheet for **TP313131L**

### **KCHIP2 (KCNIP2) (NM\_014591) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Kv channel interacting protein 2 (KCNIP2), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213131 representing NM_014591 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRGQGRKESLSDSRDL DGSYDQLTGHPGPTKKALKQRFLKLLPCCGPQALPSVSEIGRVFRFLGDSSLP  
SALAAPASLRPHRPRLLDPDSVDDEFELSTVCHRPEGLEQLQEQTKFTRKELQVLYRGFKNECPSGIVNE  
ENFKQIYSQFFPQGDSSTYATFLNADFDTNHDGVSFEDFVAGLSVILRGTVDRLNWFNLYDLNKGK  
ITKEEMLDIMKSIYDMMGKYTYPALREEAPREHVESFFQKMDRNKDGVTIEEFIESCQKDENIMRSMQL  
FDNVI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	32.3 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:	<u><a href="#">NP_055406</a></u>
Locus ID:	30819



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

RefSeq Size: 2608

Cytogenetics: 10q24.32

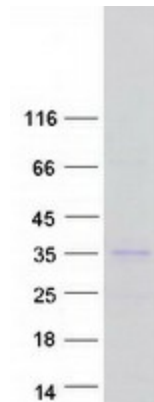
RefSeq ORF: 855

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