

Product datasheet for **TP303823M**

KCHIP2 (KCNIP2) (NM_173192) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human Kv channel interacting protein 2 (KCNIP2), transcript variant 3, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC203823 protein sequence Red =Cloning site Green =Tags(s) |

MRGQGRKESLSDSRDLGSDYDQLTGHPGPTKKALKQRFLKLLPCCGPQALPSVSENSVDDEFELSTVCH
RPEGLEQLQEQTkFTRKELQVLYRGFKNECPGIVNEENFKQIYSQFFPQGDSSYATFLFNAFDTNHDG
SVSFEDFVAGLSVILRGTVDDRLNWFNLYDLNKDGCITKEEMLDIMKSIYDMMGKYTPALREEAPREH
VESFFQKMDRNKDGVVITIEEFIESCQKDENIMRSMQLFDNVI

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: | <u>NP_775284</u> |
| Locus ID: | 30819 |



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

RefSeq Size: 2509

Cytogenetics: 10q24.32

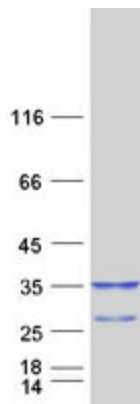
RefSeq ORF: 756

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]).