

Recombinant Human KCNIP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KCNIP2-1678H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

KCNIP2 MS Standard C13 and N15-labeled recombinant protein (NP_775284) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

28.9 kDa

AA Sequence

MRGQGRKESLSDSRDLGSDYDQLTGHPGPTKKALKQRFLKLLPCCGPQALPSVS
 ENSVDDEFELSTVCHRPEGLEQLQEQTKFTRKELQVLYRGFKNECPSGIVNEENFK
 QIYSQFFPQGDSSTYATFLFNAFDTNHDGVSFEDFVAGLSVILRGTVDDRLNWAFN
 LYDLNKDGCITKEEMLDIMKSIYDMMGKYTYPALREEAPREHVESFFQKMDRNKDG
 VVTIEEFIESCQKDENIMRSMQLFDNVITRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	KCNIP2 Kv channel interacting protein 2 [Homo sapiens (human)]
Official Symbol	KCNIP2
Synonyms	KCNIP2; Kv channel interacting protein 2; Kv channel-interacting protein 2; KCHIP2; potassium channel-interacting protein 2; A-type potassium channel modulatory protein 2; cardiac voltage-gated potassium channel modulatory subunit; MGC17241; DKFZp566L1246;
Gene ID	30819
mRNA Refseq	NM_173192
Protein Refseq	NP_775284
MIM	604661
UniProt ID	Q9NS61

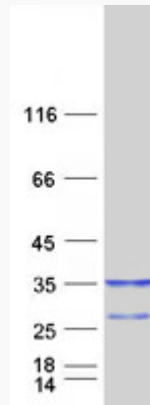
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SDS-PAGE



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