

Product datasheet for RC219876

KCHIP2 (KCNIP2) (NM_173191) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KCHIP2 (KCNIP2) (NM_173191) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KCHIP2
Synonyms:	KCHIP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219876 representing NM_173191 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

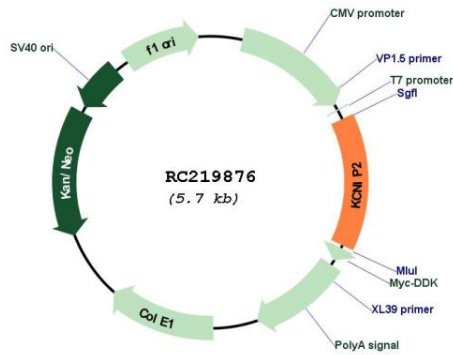
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CGGGCCACCCTCCAGGGCCCACTAAAAAGCGCTGAAGCAGCGATTCTCAAGCTGCTGCCGTGCTGCGG
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AGAAGATGGACAGAAACAAGGATGGTGTGGTGACCATTGAGGAATTCATTGAGTCTGTCAAAGGATGA
GAACATCATGAGGTCCATGCAGCTCTTTGACAATGTCATC

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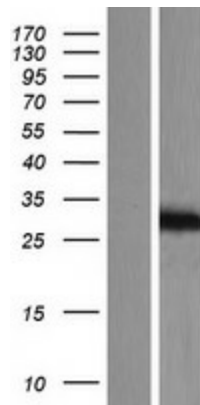


Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_173191.3
RefSeq Size:	2563 bp
RefSeq ORF:	813 bp
Locus ID:	30819
UniProt ID:	Q9NS61
Cytogenetics:	10q24.32
Protein Families:	Druggable Genome, Ion Channels: Other
MW:	30.7 kDa
Gene Summary:	<p>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]</p>

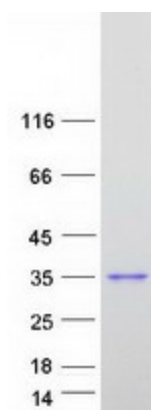
Product images:



Circular map for RC219876



Western blot validation of overexpression lysate (Cat# [LY406637]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219876 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).