

## Product datasheet for MR202394

### Kcnip1 (NM\_027398) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnip1 (NM_027398) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kcnip1
Synonyms:	KCHIP1; Kchip1.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202394 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCCGTCATGGGCACTTTCTCCTCCCTGCAGACCAACAAAGGCGACCCTCTAAAGACAAGATTG  
AGGATGAGCTAGAGATGACCATGGTTTGCACCGGCTGAGGGACTGGAGCAGCTTGAGGCACAGACGAA  
CTTCACCAAGAGAGAAGTCAAGTCTTGTACCGGGGATTCAAAAACGAGTGCCCTAGCGGTGTGGTCAAT  
GAAGAAACATTCAAGCAGATCTACGCTCAGTTTTTCCCTCACGGAGATGCCAGCACATATGCACATTACC  
TCTTCAATGCCTTCGACACCACCAGACAGGCTCTGTAAGTTTCGAGGACTTTGTGACTGCTCTGTCGAT  
TTTACTGAGAGGGACAGTCCATGAAAACTAAGGTGGACGTTTAAATTTGTATGACATCAATAAGACGGC  
TACATAACAAAGAGGAGATGATGGACATAGTCAAAGCCATCTATGACATGATGGGAAATACACCTATC  
CTGTGCTCAAAGAGGACACTCCCAGGCAGCATGTGGATGTCTTCTCCAGAAAATGGATAAAAATAAAGA  
TGGCATTGTAACGTTAGATGAATTTCTTGAATCATGTCAGGAGGATGACAACATCATGAGATCTCTACAG  
CTGTTCCAAAATGTCATG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

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.

**RefSeq:** [NM\\_027398.4](#)

**RefSeq Size:** 2258 bp

**RefSeq ORF:** 651 bp

**Locus ID:** 70357

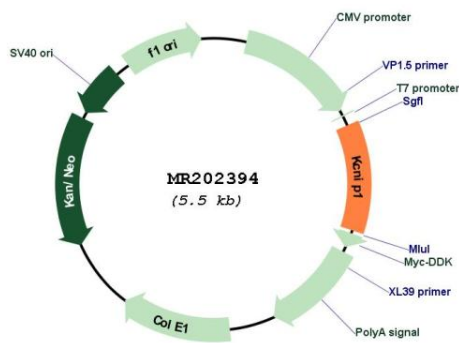
**UniProt ID:** [Q9JJ57](#)

**Cytogenetics:** 11 A4

**MW:** 25.3 kDa

**Gene Summary:** Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels. Regulates channel density, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. Modulates KCND2/Kv4.2 currents (PubMed:14572458). In vitro, modulates KCND1/Kv4.1 currents (By similarity). Increases the presence of KCND2 at the cell surface.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR202394