

Product datasheet for **MC211057**

Kcnip1 (NM_001190885) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnip1 (NM_001190885) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcnip1
Synonyms: KCHIP1; Kchip1.2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211057 representing NM_001190885
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCGTCATGGGCACTTTCTCCTCCCTGCAGACCAACAAGGCGACCCTCTAAAGACATCGCCT
GGTGGTATTACAGTATCAGAGAGACAAGATTGAGGATGAGCTAGAGATGACCATGGTTTGCCACCGGCC
TGAGGGACTGGAGCAGCTTGAGGCACAGACGAACCTCACCAAGAGAGAACTGCAAGTCTTGTACCGGGA
TTCAAAAACGAGTGCCCTAGCGGTGGTCAATGAAGAAACATTC AAGCAGATCTACGCTCAGTTTTTCC
CTCACGGAGATGCCAGCACATATGCACATTACCTCTTCAATGCCTTCGACACCACCCAGACAGGCTCTGT
AAAGTTCGAGGACTTTGTGACTGCTCTGTGATTTTACTGAGAGGGACAGTCCATGAAAACTAAGGTGG
ACGTTTAAATTTGTATGACATCAATAAAGACGGCTACATAAACAAGAGGAGATGATGGACATAGTCAAAG
CCATCTATGACATGATGGGAAATACACCTATCCTGTGCTCAAAGAGGACACTCCAGGCAGCATGTGGA
TGTCTTCCAGAAAAATGGATAAAAAATAAGATGGCATTGTAACTGATGAATTTCTGAATCATGT
CAGGAGGATGACAACATCATGAGATCTCTACAGCTGTTCCAAAATGTCATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001190885
Insert Size: 684 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
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.
RefSeq:	<u>NM_001190885.1</u> , <u>NP_001177814.1</u>
RefSeq Size:	2291 bp
RefSeq ORF:	684 bp
Locus ID:	70357
UniProt ID:	<u>Q9JJ57</u>
Cytogenetics:	11 A4
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] Transcript Variant: This variant (A) represents the longest transcript and encodes the longest isoform (A).