

Product datasheet for **MC218502**

Kcnip4 (BC051130) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnip4 (BC051130) Mouse Untagged Clone
Tag: Tag Free
Symbol: Kcnip4
Synonyms: KChIP4, Calp250, Calp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >BC051130
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACGTGAGAAGGGTGGAAAGCATCTCGGCTCAGCTGGAGGAGCGAGCTCCACAGGCGGTTTCCTCT
ACGCGCAGAACAACACCAAGCGCAGCATTAAAGAGCGGCTCATGAAGCTTTGCCCTGCTCAGCTGCCAA
AACGTCGTCTCCTGCTATTCAAACAGCGTGGAAGATGAGCTGGAGATGGCTACTGTCAGGCATCGGCCT
GAAGCCCTGGAGCTGCTGGAGGCCAGAGCAAATTCACCAAGAAAAGAGCTTCAGATTCTTTACAGAGGAT
TTAAGAATGAATGCCCCAGTGGTGTGTTAATGAAGAACTTTCAAGGAGATTTACTCACAGTTCTTTCC
ACAGGGGAGACTCCACCACATATGCACATTTTCTTTCAATGCATTGACACGGACCAATGGAGCTGTG
AGCTTTGAGGATTTTCATCAAAGGTCTTTCCATTTTGCTTCGAGGGACAGTACAAGAAAACTCAACTGGG
CATTTAATTTGTATGACATAAACAAAGATGGCTACATCACTAAAGAAGAAATGCTGGACATAATGAAAGC
AATCTACGACATGATGGGAAAATGCACATACCCGGTCTCAAGGAAGATGCTCCCGACAGCATGTGGAG
ACGTTCTCCAGAAGATGGACAAAAATAAAGATGGTGTGTTACCATAGATGAGTTCAATTGAAAGTTGCC
AAAAAGATGAAAACATAATGCGCTCCATGCAGCTCTTTGAAAATGTGATCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC051130
Insert Size: 753 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:	BC051130 , AAH51130
RefSeq Size:	2392 bp
RefSeq ORF:	752 bp
Locus ID:	80334
Cytogenetics:	5 B3
Gene Summary:	Regulatory subunit of Kv4/D (Shal)-type voltage-gated rapidly inactivating A-type potassium channels, such as KCND2/Kv4.2 and KCND3/Kv4.3 (PubMed:19109250). Modulates channel expression at the cell membrane, gating characteristics, inactivation kinetics and rate of recovery from inactivation in a calcium-dependent and isoform-specific manner. [UniProtKB/Swiss-Prot Function]