

## Product datasheet for MC211922

### Kcnip4 (NM\_030265) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnip4 (NM_030265) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnip4
Synonyms:	AV032399; Calp; Calp250; KChIP4; KChIP4a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC211922 representing NM_030265 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAACCTGGAGGGCTTGAAATGATAGCAGTTCTGATCGTCATTGTGCTTTTTGTTAAATTATTGGAAC  
AGTTTGGGCTGATTGAAGCAGGTTTAGAAGACAGCGTGAAGATGAGCTGGAGATGGCTACTGTCAGGCA  
TCGGCCTGAAGCCCTGGAGCTGCTGGAGGCCAGAGCAAATTCACCAAGAAAGAGCTTCAGATTCTTTAC  
AGAGGATTTAAGAATGAATGCCCCAGTGGTGTGTTAATGAAGAACTTTCAAGGAGATTTACTCACAGT  
TCTTTCCACAGGGAGACTCCACCACATATGCACATTTTCTTTCAATGCATTCGACACGGACCACAATGG  
AGCTGTGAGCTTTGAGGATTTCAACAAAGTCTTTCCATTTTGCTTCGAGGGACAGTACAAGAAAACTC  
AACTGGGCATTTAATTTGTATGACATAAAACAAAGATGGCTACATCACTAAAGAAGAAATGCTGGACATAA  
TGAAAGCAATCTACGACATGATGGGAAATGCACATACCCGGTCTCAAGGAAGATGCTCCCGACAGCA  
TGTGGAGACGTTCTCCAGAAGATGGACAAAAATAAGATGGTGTGCTTACCATAGATGAGTTTCATTGAA  
AGTTGCCAAAAAGATGAAAACATAATGCGCTCCATGCAGCTCTTTGAAAAATGTGATC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja3036_e06.zip">https://cdn.origene.com/chromatograms/ja3036_e06.zip</a>
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_030265
Insert Size:	690 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_030265.3</a> , <a href="#">NP_084541.3</a>
<b>RefSeq Size:</b>	2188 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	80334
<b>UniProt ID:</b>	<a href="#">Q6PHZ8</a>
<b>Cytogenetics:</b>	5 B3
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) has a distinct 5' end, compared to variant (1), which results in an isoform (4) with a shorter and distinct N-terminus, compared to isoform 1.</p>