

Product datasheet for RN216093

Kcnip1 (NM_001261389) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kcnip1 (NM_001261389) Rat Untagged Clone
Tag: Tag Free
Symbol: Kcnip1
Synonyms: Kchip1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216093 representing NM_001261389
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCCGTCATGGGTACCTTCTCGTCCCTGCAGACCAAACAAGGCGACCCTCTAAAGACATCGCCT
 GGTGGTATTACAGTATCAGAGAGACAAGATCGAGGATGATCTGGAGATGACCATGGTTTGCCATCGGCC
 TGAGGGACTGGAGCAGCTTGAGGCACAGACGAACCTCACCAAGAGAGAACTGCAAGTCTTTACCGGGGA
 TTCAAAAACGAGTGCCCCAGTGGTGTGGTTAACGAAGAGACATTC AAGCAGATCTACGCTCAGTTTTCC
 CTCATGGAGATGCCAGCACATACGCACATTACCTCTTCAATGCCTTCGACACCACCCAGACAGGCTCTGT
 AAAGTTCGAGGACTTTGTGACTGCTCTGTGATTTTACTGAGAGGAACGGTCCATGAAAACTGAGGTGG
 ACGTTTAAATTTGTACGACATCAATAAAGACGGCTACATAAACAAGAGGAGATGATGGACATAGTGAAAG
 CCATCTATGACATGATGGGGAAATACACCTATCCTGTGCTCAAAGAGGACACTCCAGGCAGCACGTGGA
 CGTCTTCTCCAGAAAAATGGATAAAAAATAAGATGGCATTGT AACGTTAGACGAATTTCTCGAGTCTGT
 CAGGAGGATGACAACATCATGAGGTCTCTACAGCTGTTCCAAAATGTCATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001261389
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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001261389.1</u> , <u>NP_001248318.1</u>
RefSeq Size:	1489 bp
RefSeq ORF:	684 bp
Locus ID:	65023
UniProt ID:	<u>Q8R426</u>
Cytogenetics:	10q12
Gene Summary:	<p>amino terminal is involved in the regulation of closed inactivation gating [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (3) uses an alternate exon in the 5' coding region compared to variant 1. The resulting protein (isoform 3) has a distinct N-terminus and is shorter compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>