

Product datasheet for **MC205102**

Kcnp3 (NM_019789) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kcnp3 (NM_019789) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kcnp3
Synonyms:	4933407H12Rik; AI413860; Csen; DREAM; KCHIP3; R74849
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026980
 GCCAGCCGGACCAAGCAGTCTGGCTTGCTCGGGCTGCAAAGCGGGAAGATTAGTGACGGTCCCTTTGAGC
 AGCAGAGATGCAGAGGACCAAGGAAGCCGTGAAGGCATCAGATGGCAACCTCCTGGGAGATCCTGGGCGC
 ATACCACTGAGCAAGAGGGAAAGCATCAAGTGGCAAAGGCCACGGTTCACCCGCCAGGCCCTGATGCGTT
 GCTGCTAATCAAGTGGATCCTGTCCAGTGTGCCCCACAAGGCTCAGACAGCAGTGACAGTGAAGTGA
 GTTATCCACGGTGCGCCATCAGCCAGAGGGCTTGACCAGCTACAAGCTCAGACCAAGTTCACCAAGAAG
 GAGCTGCAGTCCCTTTACCGAGGCTTCAAGAATGAGTGTCCCACAGGCCTGGTGGATGAAGACACCTTCA
 AACTCATTATTCCCAGTCTTCCCTCAGGGAGATGCCACCACCTATGCACACTTCTCTTCAATGCCTT
 CGATGCTGATGGGAACGGGGCCATCCACTTTGAGGACTTTGTGGTTGGGCTCTCCATCCTGCTTCGAGGG
 ACGGTCCATGAGAAGCTCAAGTGGGCTTCAATCTCTATGACATTAACAAGGATGGTTGCATCACCAAGG
 AGGAGATGCTGGCCATCATGAAGTCCATCTACGACATGATGGGCCGCCACACCTACCCCATCCTGCGGGA
 GGATGCACCCCTGGAGCATGTGGAGAGGTTCTTTCAGAAAATGGACAGGAACCAGGATGGAGTGGTGACC
 ATTGATGAATTTCTGGAGACTTGTGAGAAGGATGAGAATCATGAACCTCATGCAGCTGTTTGAGAACG
 TCATCTAGGACATGTGGGAGGGGACCCCGTGGTATTGCTTCTCAACCCAGAGAAGCCTCAATCCTGAC
 AGGAGAAGCCTCTATGAGAAACATTTTTCTAATATATTTGCAAAAAGTGAGCAGTTTACTCCAAGACAC
 AGCCACCATCACACACAGACACAGACACAGACATACAGACACACACACACACACACACACACACACAC
 ACACACACACATGGTTCCTCTGGCTTGCCAAAGGAAGTGGCAGCCAGAAAGGCACCCCGCCTATTCTT
 AGGTCAATAAAAAAGGCTGCCTCTGGGATGGCCAGCCCTGGCTAGATGTTACCCACAAGGAACTCAGAGA
 TCGAGAGGACCAGGTCTACAAAGCTAAGTCCCTGTGCTTTTCTACCACTCGGGAGATCAAACACTCTCC
 CTGCTATGGACCCATGCTCTTAGGAAGCTCCCAGAACTCCAAGGGGACAAAGAGGGGAGAGGTCTATA
 GGAAGAAATGGTTTTGGAAGCTGGGCTTGACGCCTTATGCTAATGATCACCTGGGGTCTGGAACCTGAG
 TGCCAGGCTACCTACTATGCCGTGAGCTTAGATAGTGAGGGGCCATTGGACTAAGACCTCCTGTAAGAGT
 GGGGCAGGATTGAGGTTTTGGAGAACTGAGGAAACAATTTGTCATACCACTGGTGAAGACTGCTGG
 CCAGTGGGAATGTGGCTGGTGGAGATTTCCCAACTTCCAGCACCAGGATGGCCTCTCCAAGTCTCTTT
 GATTCCCTGGGGAGATCCTGGCTCATAGACTGACAACCAGGGAAGTGGGCTGAAATGGGAGGTCTGGT
 AGGGGGCATCCCCCTCTTTTCCCTGGCCACTTGCCACCCAGTTCCTTAACACAGTGGATCGGCCACACC
 TCTGTGGCTGCCCTTGAACAGACTCATCCCGACCAAGACAAAAAGCACAACTCCTAGCAGCTCAGGCC
 AAGCCACAAGGGAAGGCTGGTCCCTGCAGCCCTGATTCAGTGGCCGAGGAAGACGCTCAGACATCCA
 TCCTGTACCTCGGAGCCTTGGGGTCTCACAGCCCTTTCCAGCCAGCTCGCCAACATTCTAAAGCACA
 AACCTGCGGATTCTGCTTGGGCTGCGCCCTGGGATTGAAGGCCACTGTTAACCTAAGCTGGAGC
 TAGCCCTGAGGGCTGGGACCTGTGACCAGGCAACAGGTGAGCAGACCCTCAGGAGGAGAGAGCTGTT
 CCTGCCTCCCCAGGCCTGCCCCAGAAGGAACAGTGTCCAAGAAGCATGTTTCTGGAGGAACATCCCCA
 CAAAAGTACATTCATCATCTGAAGCCCGTCTGCTCAGGCCCTGCCTCTGAAAGTCCACGTGTGTTCC
 CCAGAAGGCCAGCCCCAAGATAAGGGAGGTCTTAGAGGAAGGACAGGGTGACAACCCCTATACACAG
 GTGGACCCCCCCCCCTCTGAGGGCTGTACTGACCCCATCTCCATCCTGACCGGGGCTTCTTTACCCG
 ATCTACAGACCACAGTCTCCCTGGCTCAGGGACCCCTGTCCCCAGTCTGACTCTTCCCATCGAGGT
 CCCTGTCTGTGAAAAGCCAAGGCCACGGGAAAAGGCCACCACTTAACCTGTGCATCCCTTAGCCTCT
 GGCTGCACGCCAACCTGGAGGGTCTGTCCCTTTGCAGGGACACAGACTGGCCGCATGTCCGCATGGC
 AGAAGCCTCTCCCTTGGGTGCAGCCTGGAAGGGTGGTTCTGTCTCAGCGCCACCAATATTCAGTCTTA
 TATATTTAATAAAAAGAACTTGACAAAAGGAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019789

Insert Size: 771 bp

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>BC026980</u> , <u>AAH26980</u>
RefSeq Size:	2705 bp
RefSeq ORF:	771 bp
Locus ID:	56461
UniProt ID:	<u>Q9QXT8</u>
Cytogenetics:	2 F1
Gene Summary:	Calcium-dependent transcriptional repressor that binds to the DRE element of genes including PDYN and FOS. Affinity for DNA is reduced upon binding to calcium and enhanced by binding to magnesium. Seems to be involved in nociception.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes isoform a.