

## Product datasheet for **MC226785**

### Kcnp3 (NM\_001291005) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Kcnp3 (NM\_001291005) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Kcnp3  
**Synonyms:** 4933407H12Rik; AI413860; Csen; DREAM; KChIP3; R74849  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226785 representing NM\_001291005  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGCAGCTGCCAGCCGGACCAAGCAGTCTGGCTTGTCTGGGCTGCAAAGCGGGAAGATTAGTGACGG  
TCCCTTTTCAGCAGCAGAGATGCAGAGGACCAAGGAAGCCGTGAAGGCATCAGATGGCAACCTCCTGGGAG  
ATCCTGGGCGCATACCACTGAGCAAGAGGGAAAGCATCAAGTGGCAAAGGCCACGGTTCACCCGCCAGGC  
CCTGATGCGTTGCTGCTTAATCAAGTGGATCCTGTCCAGTGTGCCACAAAGGCTCAGCAGTGACAGTG  
AACTGGAGTTATCCACGGTGCGCCATCAGCCAGAGGGCTTGGACCAGCTACAAGCTCAGACCAAGTTCAC  
CAAGAAGGAGCTGCAGTCCCTTTACCGAGGCTTCAAGAATGAGTGTCCCACAGGCCTGGTGGATGAAGAC  
ACCTTCAAACCTATTTATCCAGTTCTTCCCTCAGGGAGATGCCACCACCTATGCACACTTCTCTTCA  
ATGCCTTCGATGCTGATGGGAACGGGCCATCCACTTTGAGGACTTTGTGGTTGGGCTCTCCATCCTGCT  
TCGAGGGACGGTCCATGAGAAGCTCAAGTGGGCCTTCAATCTCTATGACATTAACAAGGATGGTTGCATC  
ACCAAGGAGGAGATGCTGGCCATCATGAAGTCCATCTACGACATGATGGGCCGCCACCTACCCATCC  
TGCGGGAGGATGCACCCCTGGAGCATGTGGAGAGGTTCTTTCAGAAAATGGACAGGAACCCAGGATGGAGT  
GGTGACCATTGATGAATTTCTGGAGACTTGTGAGAAGGATGAGAACATCATGAACTCCATGCAGCTGTTT  
GAGAACGTCATCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001291005  
**Insert Size:** 855 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001291005.1</a></u> , <u><a href="#">NP_001277934.1</a></u>
<b>RefSeq Size:</b>	2771 bp
<b>RefSeq ORF:</b>	855 bp
<b>Locus ID:</b>	56461
<b>UniProt ID:</b>	<u><a href="#">Q9QXT8</a></u>
<b>Cytogenetics:</b>	2 F1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site that results in translation initiation at an alternate start codon, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is longer than isoform a.</p>