

Product datasheet for **MC224428**

3425401B19Rik (NM_001195097) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: 3425401B19Rik (NM_001195097) Mouse Untagged Clone
Tag: Tag Free
Symbol: 3425401B19Rik
Synonyms: Cefip
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224428 representing NM_001195097
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGATGCAGGGAAACAAAAATGCACAGACGGGTTCACTGATACCTCCAGCATCGGCAGTGTGCTGGATG
 AAGCAGACAGGGAGGTGAGCAACCTCACAGACAGGGCATTCCGAAGTCTGTGCATCTCGGAGGACACATC
 TTCCATGACTCTGACCTGGCCCTGTCCCAGATGTCACCAGCCAGGTGTGGGGACTTTTCACCAGGAA
 ACAGTGGGCCATGCCAACAGGAAAAGTGGGATTTGGAGCCAGCTTCCATCTCAAGGCACAGAGCATTCTG
 GCTGGGACGCCACCTTCCAACAGCAACCAAGTACGTTACGGGCGAAGAAAAGTACCCCAAAACAGTCC
 TCTGCCAACCCAGTCCAGAGGAGACTGGAGGTGCCATTTTCAGGCTTGAGGAGCAGCAGCAAACCCATC
 TCCAAAGTCTCATCACTCATTAGATCCTTTGACAGGACAGAGACTCAATCTTGTGACAGCCGGCCTCCTC
 CCAGCAAGCCTCCGGCTCTCAAAAATCCCCCAAGTTTGACATCCCCCAGAAAAGTGGTGTCAACTTCTG
 CTTGATTCGGCCTTTCTGACCGTCAGGAGGGTGCCTGCTGAAGTCTCCAACACCCATCAGGGCAGCCAT
 CAGTCTGGCAGGGCTCCTGGAGAACAAGAGTCTCCAAGAACCCAGAAAAGCCTCTCACAGCTCAGACA
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 AGCCACAGCTGAGCCAGGAAGAGGGAAGGAGTGGATTCCAAGGAGGACTTTTCTGCACAGTGAAAACAGT
 GCCTTTGAGTCGTGGGACACCCACCAACCAAGCTCCGGGAGAGAAAAGGACATTGCTGAAACACCCAG
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 ACCCTCAGGTGAAGCGGAGTAAGCCCCATGGAGGAAGCCAAAGACTGGCAAAGGAGGGACAGATGGTCC
 ACCTGATGCTTTGGAAGACAAGAAACAGCCCAATAGGAGAGGTCTACCTCTGTATTCAAACTTAACCTT
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 AGTGAAAATAAGCCCATCCCCTCCAGGACAGCTAAATGGATACCAGGAGAAGGAGTCCAGTGAAGGCTCAG
 TCTCGGATAGCTACAAATCCAAGCGCCAGCCTGCTGTTCAACCTAAAAGATGTTTCGAAACGTGTCA



AGAGTACATACAGCCCCTTGCCCTCTCTTAAAAGGCTTTGATGAGAAAACAGAGGTAAACTTGATAGCAA
 GCAAGAACCTCTGAGCAATGGGGTCACCCTTCCCGATGGGCTTGAAGAAAACCTCCCACAGAGCTTTG
 CCAGATAATGTCCCTGGTGTGTTTGCACAGCAGCACCCAGAAGGATCCTGTATCAACTCTAGAGAATCCT
 TTGCAGTCAGCCACCCGACCTTCAGTTCACCTTCAGCTAGCTCCCAAACCACTTCTGTGTCAATGGGGA
 AGCTGCAGAAAGTAACAGTAATGAGAAGGAAGAAGCCAACGGAGAGTCAGAGCTGGATCCCTCCAAGGGT
 GCGGGCATCCAGACTGCAGGGAAAACCTTCTCGGAAACATCTCTCCCTGAAACTCTTCAACAGGGAGT
 CTGAAATGGGACCGGCTATGGCGGAAATGAAGCCCCACCAGCTAGAGAATGGGCTCTCGAGATCTGTCTC
 CCAGGAGACAGAGACTGAGCGAGAAAACGGGGTTCAGAGTCTACCCTTGAACCAGAAGTTCTCCCCAGGA
 CCCCTTCCCCTGAGGAGGAGGATGTGTTTTACAGCGACAGCCAGTCTGATTTTACTCCGTGCCGCAAA
 CAAAGGCTAAATTCAGCACCAGCTCCTCAGACCAATCCTTTGCTTCTTTTGAAGATCAGCAGAAGGTATG
 CTTTACAGAAGGCCCCAGGAAGACAGGAAGAGCCATGTGAGTGCAGGTGACAAGCAGAGGGACGAGACG
 GCGGTGGAGAAGAAGAGTCACAGCAATGTGCCTCACGTAAACACAGAGGTGTGGACGAGCAGAGAC
 AGGAGGAAATACAAGAAAAGCACAAGGTGTTTCAGGAGGAAGACCCAGGAAAGCATCCGCAGAGGACCT
 CAGTGCCAGAGGCTCGTGGATGGGGCTGATAAGGACACAGCTCATAACACGCCAAGGACCCAACCCCC
 TTGCCAGCCTTACCAACAAGCAGCAGACTGTTCCCAATTAAGACAACACACTCAGGGCCACCCCGGTGA
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 CCTAACACCCACTCTCCAATAACGACGTGCCGGCACCCAGCACAGGTGTATGGTGTGTGAGGACGTGC
 AGGAAGACCCGGTACACACCCGACGCCAGGATGAGACTTCTCAGCAAACCCGGAAGGGGAGTTTCTCTTT
 TCTACCACCGGTGAAGAGGAAAACAGAATGAAACCATCCCAGATACGGCAGGTGAAGGGCTAGACAA
 GAGAAAAGCAAATCAGCAGACTTGGGAAAACCTGGGGTTCCACAGCGTATCCCCTACTCGCTTTACTCC
 CGGATGACTTAGAAGACTCGCCCCATCGCTACCACAACATACCTATTGGGAAGAACAAGGTTTCAAAGG
 CCACTTTTGTCTGCACCGAGAGCAGGACCGCTGGAAGAAGGCTTGTCCCAGTGAGGCAGAGACTTCC
 CCCAACCCAGCTCTCTAGGAGAGAGCAGCACTTGTCTCTCCCGCAGCCAGCAGTATTGGGAAGAGGCTT
 CCCAGGCCGCTGGGGAACACTGGCAGCGCAAGAGCCTCCTGGCCCAACCCCTGGGCCAGCCCGGGCCC
 TACGGGGTAACCTCGGAGGGAGGACATGACCCATGGCCTCACATGGGAAGCTGAAGGTTCCGATCCCTCA
 GATTTTCAGGGCCCTCTCTCCGAGAGGCATTTTGTAGCTGATGCTGCTGAGAAACCTGAGCCCCCTGCTC
 TGCTGGAGAAGGGCGCAGGCAAGCCCCCTGCAGTCCCTCCAAGACGGAGAAGGCCCTGCGCAGGGCGAA
 GAAGCTGGCAAGCAAGAGGAGGAAGAGTGATCAGTTGCTGGAGAAGCATAACGGAGCCTGGGAGGGCAAG
 TCCTTACAGAGGACACTCAGGGGACAGAGCGAAGGCCTGTGTCTCCTGGAAGGGGCTCGGCCAGGT
 TCCTGCCATTGCTCCTTGCCCGGCCACGCACCGCCACTCAGTGTCTGTGGCTGGGAGCCCACAGG
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 GATCCCAGTCAGGACAATACTTCGTCTTCGACGTGCCTCTCAAAGTAAAATCAAGACTTTCTATGACC
 CTGAGACTGGCAAGTATGTCAAGGTCTCTGTCCCATCCTCTGAGGAGGCCTCCTCAGAGCCACCTTGCA
 GGATGCCCTGGCTGCTCCCTACTGTACCCCGGCTCCGGCCAGTGCCTGTGACTTCCGTGATGCC
 CTGCGTGTCTCTCAGCTTGCAGCCCCACCTTTCTCAGGCAGGGTTCTGGCCATAGGCCCCAGAGTT
 CCCAGGGCAGTCGACTGCAGCCACCCCTGAACGGCTGGCGAGTCTACCCAGCATGCCTCTGGCCAGTG
 CCCCCTGGGGCTTCCCATAGTCCAGAGAAAGAGAGTGCAGAAGCTCCAAGACTAAGTATCATCTCCACA
 GACGACCTAGAGGACTTTGCCACAGAGGGTGTTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001195097

Insert Size:

4239 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>NM_001195097.1, NP_001182026.1</u>
RefSeq Size:	5553 bp
RefSeq ORF:	4239 bp
Locus ID:	100504518
UniProt ID:	<u>D3Z1D3</u>
Cytogenetics:	14 B
Gene Summary:	Plays an important role in cardiomyocyte hypertrophy via activation of the calcineurin/NFAT signaling pathway.[UniProtKB/Swiss-Prot Function]