

Product datasheet for MC223296

Caprin2 (NM_181541) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Caprin2 (NM_181541) Mouse Untagged Clone
Tag: Tag Free
Symbol: Caprin2
Synonyms: Adir; C1qdc1; Eeg1; RNG1; rng140
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223296 representing NM_181541
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAGTCAGCCAAGTCCCAAGTGAACCAGGATCAGCAAGGGGAAAACCAGCGGGCTCTGAGCCCCCTGC
 AGTCTACTCTCAGTTCTGCTGCATCTCCTTCCCAGGCATATGAAACCTATATTGATAATGGACTTATATG
 CCTTAAACACAAAATTAGGAACATCGAGAAGAAGAAGCTCAAAC TGAAGATTATAAAGATCGCCTTAAA
 AATGGAGAGCAGCTTAACCCAGACCAGTTGGAAGCAGTAGAAAAGTATGAAGAAGTACTTCAATAATTTGG
 AATTTGCCAAGGAGCTTACAGAAAACCTTTTCTGCACTGAGCCAAGATCTGCTGAAAGCGCAGAAAAGGC
 CCAGAGAAGGGAGCATATGCTGAAACTTGAGACTGAGAAGAAAAGCTTGAAGTATGCTTCAAATTCAG
 TATGTATTACAGAATTTGACACAAGAACATGTACAAAAGACTTCAAAGGGGGCTTGAATGGTGCAATGT
 ATTTGCCTTCAAAGAAGCTTACTACCTCATTAAATTCTCAAAC TACCTGCCCTGAAAGAAATGAAAAG
 TCTGAGTGTGAAGACCAGATGGAGCAGTCATCCTTGTACTTTTGGGACCTTTTGGAAAGGTAGTAAAAA
 ACAGTGGTAGGAACAACATATAAACATGTGAAAGACCTGCTGTCTAAATTGCTGCACTCAGGTTATTTTG
 AAAGTGTCCCAGTTCTCAGGAATTCTAAGGAAAAGCAGAAGAAGTCTAATGCAATCAGAAATGAAAAA
 ACAGTTACTGAAGAGTGAGTCTATCAAAGAGTCAGAATCTTTACGGAACCTGTACAACCAGAGATACAG
 CCACAAGAGTTTCTTAACAGACGCTATATGACAGAAGTAAAAATTTCAAGAAAACAGAAAATGTAGAAC
 AATCCTGGGAAGCAGATTATGCTAGGAAACCAAGTCTCCTCAAATGCTGGAATACACTTCCAGAGCCAGA
 TGGTCAGGAGAAGAAGAAGAGTCTTGGAGTCTGGAAGTCTTCTCTTAAGACTCAGGAGGTATCAAAG
 CCTGTGGTTTCTTAGTACAGGGGAAAAC TACAGCAACATTGCAGGAAGAGCAGAAGCAGCAGGTTCTTA
 TAACACCTGT CAGTCAGTGAAGCCAGAAAGCCCTAAGTCAAAGTGGGCAGTCTCAAGAAGAGCAGAA
 TGTACAGGAGACACCAAAGCCATGGGTGGTT CAGTCACAGAAAAGAACAAGATCAAAGAAGCTGCCTCCT
 GGATCCTGGGCAGTATCTGTGCAGAGTGAACAGAGTGGCAGCAGATCCTGGACCACCCTGTGTGCAGAG
 AACAGGCTT CAGTGCAGCTGGGACTCCAGTATCCTGGGAAAACAATGCTGAGAACCAGAAAACACTCCTT
 AGTACCACAATCACAGATTTCTCTAAAGTCTGGGGAGCAGCTT CAGCAGGCCTCTTACCAAATGGCCAA
 GTCCTGACGAGGAAGTAAATGTAGAACCCAAAGATGTGCCTAAGCCCCTGCCTCAGCCTATAGACTCTT



```

CTTCTGCCCTTCCAAAGGATCCAGTATTGAGGAAAGAAAACTGCAGGACCTCATGAGCCAGATTCAAGG
AACTTATAACTTTATGCAAGAGTCTGTTCTAGATTTTGACAAACCTCAAGTGCAATTCATCATCACAG
CCGCCTCAGCTTGTCCAGTCTCTACAGTATCTGCAGAACAAAACCTTGCCAACCAAGTGATTTTCTTC
AAGAACCATCACAGGCCTCTTCTCCGGTACTTGTAGCTCAAATGCTTGGTGGTACTACTGATCAGGC
TTCTTCGGGATCTGAAACAGAGTTTACGACCTCAGAGACCCTGAGATGGTGGTCTCCCCCTGCAAGCCA
AAGCCAGCTTCTGCACTTGCTTCTCAAATCCTCCCCTGTCAAAGAGCTCCAGTTACCTCCTGCAAGTG
GGAGTTCAGAAGCCATTAGCACAGCACCTTTTCAGGCCATGCAGACAGTGTTAATGTAAATGCACCTCT
GCCTCCACGGAAAGAACAAGAAATGAAAGAACCCTTATTCATCTGGCTACAATCAAATTTTACTTCA
TCAAGTACACAGACAGTATCCCAATGCCAGCTCCAGCTGTACACATAGACCAGACAACCTCAGCCTCCAG
AGACTGGTGCAGGTTATCATCCTGATGGAAGTGTCAAGTAAGCAATGGCAGCCTTGCCTTTTACCCAGC
ACCCACAGGATGTTTCCAGACCTGCTCAGCCATTTATCAGTAGTCGGGGGACTCTGAGAGGGTGTTC
CATGGAGGGAGGTTACTAATGAGTTCCTATCAGTCTCCTGGTGGCTACAAAGTTTTGATAGTTACAGAG
GACTTCTTCAGTTTCAAGTGGGAATTACAGCCAGCTGCAGCTGCAAGCTAGAGAATATTCTGGAACAGC
TTACTCTCAAAGGATAATTTCCAGCAGTGTATAAAAAGATCAGGGACATCTAGTGGTCTTCAGGCAAAT
TCAAGAGCAGGGTGGAGTACTCCTCAGGTGAGCAGCCAGAAAGAGACAGCGAGACTTTAACAGTG
GAGACTCTGGGCTAGGAGACTCTCGGAGCATGACCCAGTGGATGTGCCAGTGACAAGCCAGCAGCCGC
CATCCTGCCAGTCCATATCTATCCCCTGCCTCAGCAAATGCGAGTTGCCCTCTCAGCTGCCAGAATCC
AATCTGGCTCCTGGAACCTTAGACCAACCTATTGTGTTTATCTTCTCCTGAACAACCTGGGAGAGACCT
TTGATCTTCAGCTTGGTAGATTCATTTGCCAGTGAATGGCACTTACGTGTTCAATTTTTCACATGCTAAA
GCTGGCTGTGAATGTACCACTGTATGTCAACCTGATGAAGAAATGAGGAGGCTTGGTGTGAGCCTATGCC
AACGATGGTGTCCAGACCATGAGACAGCAAGCAACCATGCCGTTCTCCAGCTCCTCCAGGGAGACCAGA
TATGGCTGCGCTTACACAGGGGAGCGATTTATGGAAGTAGCTGGAATACTCTACATTTTCAGGCTATCT
TCTTTATCAAGATTA

```

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_181541
- Insert Size:** 3096 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:**
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:** [NM_181541.4](#), [NP_853519.2](#)
- RefSeq Size:** 3713 bp
- RefSeq ORF:** 3096 bp

Locus ID: 232560

UniProt ID: [Q05A80](#)

Cytogenetics: 6 G3

Gene Summary: This gene encodes a member of the caprin family. The encoded protein may function as an RNA-binding protein that induces the formation of RNA granules and plays an important role in brain function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).